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FIFTY-NINTH

ANNUAL REPORT

of the

Medical Officer of Health.

1939.

North Shields,
Printed by J. Rutherford & Co., 19 & 20 Stephenson Street.

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To The Mayor, Aldermen and Councillors
of the County Borough of Tynemouth.

YOUR WORSHIP, LADIES AND GENTLEMEN,

I have the honour to submit the Fifty-Ninth Annual Report of the Medical Officer of Health, upon the Health and Sanitary conditions of this Borough, for the year 1939, drawn up in accordance with the requirements of the Minister of Health, and abbreviated at his direction, owing to war conditions.

I regret that the publication of this report is later than usual, this being due to the late arrival of statistical data from the Registrar-General, which this year, did not reach me until the 27th September, 1940.

The work of the deparment generally has been somewhat curtailed and interfered with during the past year owing to war conditions, but on the whole, a reasonable standard has been attained.

Slum Clearance which was making satisfactory progress up to the outbreak of hostilities, is now definitely held up for the duration of the war. By the end of December, 1939, the Corporation had erected a total of 3,102 houses on various estates since 1918, which together with 4,242 houses provided by private enterprise during the same period, makes a total of 7,344. There is still a considerable demand for new houses, which will no doubt be considerably increased on the termination of hostilities.

The present war state has also caused the abandonment of a scheme for the amalgamation of the general hospital facilities in the Borough, and also the fusion of the various Clinical Services provided by individual committees of the Council, whereunder it was proposed to erect a new Joint Health Centre. The redevelopment of the Isolation Hospital at Moor Park has had to be deferred sine die.

During the year, part of the County Borough area was scheduled as an Evacuation Area, and on a survey being made of those persons eligible, 1,634 persons signified their willingness to take advantage of the Government Scheme. The 7th September, 1939, was fixed for the actual evacuation from Tynemouth, and on that date, only 605 persons presented themselves at the distribution centres, a most disappointing result considering the immense difficulties encountered by my Staff in the general arrangements for the evacuation. I have caused subsequent surveys to be made, and I regret to report that practically all the persons originally evacuated have now returned to their own homes in the Borough.

Once again I have to thank all the members of my Staff for their helpful co-operation and loyal support during 1939, a year, which has had its special difficulties owing to the outbreak of hostilities on Sunday, 3rd September, but which have all been surmounted efficiently. My thanks are also due to the Chairman and Members of the Health Committee for their continued support and keen interest in the general administration of the Department.

I have the honour to remain,

Your obedient Servant,

R. H. DAWSON,

Medical Officer of Health.

PUBLIC HEALTH DEPARTMENT,

TYNEMOUTH,

November, 1940.

County Borough of Tynemouth

HEALTH COMMITTEE.

Chairman—COUN. G. C. BARBER.

Deputy Chairman—COUN. W. R. FORSTER.

THE MAYOR—COUNCILLOR HARRY GEE, J.P.

ALDERMAN	HARRISON, J.P.	COUNCILLOR	MRS. FRATER, J.P.
,,	MIDDLEMISS, J.P.	,,	HAILS.
,,	J. W. G. SPENCE.	,,	HUNTER.
COUNCILLOR	BARBER.	,,	MORGAN.
,,	BOWER. (Resigned 19/9/39.)	,,	MURRAY.
,,	BURNETT.	,,	PARK.
,,	CHAMBERS.	,,	STANGER.
,,	FORSTER.	,,	THEWLES.

STAFF.

PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health, Administrative Tuberculosis Officer, Chief Medical Officer to the Education Authority, and Chief Medical Adviser to the Local Authority, Medical Superintendent Infectious Diseases and Smallpox Hospitals.

R. H. DAWSON, M.B., Ch.B., D.P.H. (Edinburgh).

Assistant Medical Officer of Health and Assistant Tuberculosis Officer.

A. B STEWART, M.D., (St. And), D.P.H.

Maternity and Child Welfare Officer.

MARGARET B. STEEL, M.B., Ch B, D.P.H.

Senior Sanitary Inspector, Inspector under the Housing Acts, Food and Drugs Acts, Etc.

C. A. MURRAY, Cert. S.I.B., Cert. Meat Inspection.

Public Vacinnators.

Tynemouth District—P. HOLGATE, M.B., B.S. (Durham).
North Shields District—R. J. WEIDNER, M.B., B.S. (Durham).
Preston Hospital—J. B. WILLIAMSON, M.B., B.S. (Durham).

Vaccination Officer.

DR. R. H. DAWSON (M.O.H.).

Public Analyst

H. C. L. BLOXHAM, F.I.C.

Statistical & Social Conditions of the Area.

STATISTICAL AND SOCIAL CONDITIONS OF THE AREA.

Area (in acres) 4,604. (Exclusive of 80 acres covered by inland water).

Population (Census 1931) 64,922; and estimated, 1939, { for birth rate. 67,000. for death rate. 65,220.

Total dwellings occupied and vacant: 13,635 (1931 Census).

Number of Private Families therein: 16,079 (1931 Census).

Number of families or separate occupiers: 1939; 18,804.

Average Number of Persons per family: 3.86 (1931 Census).

Rateable value: £396,818.

Sum represented by a penny rate: £1,586.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

Number of Marriages during 1939: 645.

Live Births—1,119.

	Total	M.	F.		
Legitimate ...	1072	544	528	Birth Rate ...	16.7
Illegitimate ...	47	23	24		
Stillbirth—30 (R.G.)	Total	M.	F.	Rate per 1,000 live births ...	26.8
Legitimate ...	29	17	12		
Illegitimate ...	1	0	1		
Deaths	792	454	338	Death Rate ...	12.14

Percentage of deaths in Public Institutions 36.7

Natural Increase in population (excess of births over deaths) 327

Deaths from pue peral causes :—	No.	Rate per 1,000 total (live and still) births.
From Puerperal Sepsis	Nil	0.0
From Other Puerperal Causes ...	2	1.74
Total	2	1.74

Death Rate of Infants under one year of age:—

All Infants per 1,000 live births	68
Legitimate infants per 1,000 legitimate live births	68
Illegitimate infants per 1,000 illegitimate live births ...	64

Deaths from Cancer (all ages)	98
,, ,, Measles (all ages)	0
,, ,, Whooping Cough (all ages)	2
,, ,, Diarrhoea (under 2 years of age)	9
Amount expended in out-relief, 1939	£39,368 : 15 : 6

POPULATION.

A Census was taken on the 27th April, 1931, and the population of the Borough on that date was 64,922.

The mid-year 1939 population, as estimated by the Registrar-General, was 67,000 for the calculation of the birth rate, and 65,220 for the calculation of the death rate.

The estimated populations and density figures for the newly constituted wards, are based upon the number of separate occupiers, and are as follows:—

DISTRIBUTION AND DENSITY OF POPULATION, 1939.

WARD.	Population estimated to 30th June, 1939.	Area in Acres.	Persons to the Acre.
Chirton	8865	230.0	38.5
Collingwood	5280	1518.6	3.5
Cullercoats	5823	536.2	10.8
Dockwray	9023	158.9	56.8
Linskill	8164	139.5	58.5
Percy	7256	869.3	8.4
Preston	6895	403.8	17.1
Trinity	8942	133.1	67.2
Tynemouth	6752	614.6	11.0
County Borough of Tynemouth	67000	*4604	14.5

*Exclusive of 80 acres in Percy Ward, which is covered by water. (Docks etc.)

The average number of persons to the acre at the Census (1931) was 14.9.

BIRTHS.

The nett total births assignable to Tynemouth were 1,119, giving the annual birth rate of 16.7 per 1,000 of the population and shows a slight increase on that of last year.

The live birth rate for England and Wales for 1939 was 15.0 per 1,000 of the population.

The total births were :—		M.	F.
Live Births.	Totals	567	552
	Legitimate	544	528
	Illegitimate	23	24
Still Births.	Totals	17	13
	Legitimate	17	12
	Illegitimate	0	1

BIRTHS AND BIRTH RATES IN WARDS.

WARD.	TOTAL BIRTHS	Birth rate per 1,000 of Population	No. of illegitimate births.	Percentage of illegitimate births to total births.
Chirton	146	16.5	4	2.74
Collingwood ..	106	20.1	—	0.00
Cullercoats	60	10.3	3	5.00
Dockwray	161	17.8	6	3.73
Linskill	95	11.6	8	8.42
Percy	157	21.6	7	4.46
Preston	83	12.0	3	3.61
Trinity	159	17.8	7	4.40
Tynemouth	53	7.8	2	3.77
Inward Transfers ..	99	—	7	—
County Borough of Tynemouth ..	1119	16.70	47	4.20
Mean of Ten Years— 1929—1938. ...	1190	18.00	47.8	4.02

DEATHS.

The nett deaths for the borough of Tynemouth were 792 which is equal to a death rate of 12.14 per 1,000 of the population. The rates for England and Wales, and the Great Towns were 12.1 and 12.0 respectively.

The number of deaths of persons belonging to Tynemouth which occurred in Public Institutions during the year, was:—

Tynemouth Poor Law Institution, 206; Tynemouth Victoria Jubilee Infirmary, 35; Moor Park Isolation Hospital, 7; Royal Victoria Infirmary, Newcastle, 15; other Institutions outside the Borough (including 9 deaths in Morpeth Asylum), 28. This makes a total of 291 which is 36.7 per cent. of all deaths of residents during the year.

Deaths and Death Rates in Wards.

Ward.	Total Deaths.	Death rate per 1,000 of population.
Chirton	89	10.3
Collingwood	53	10.3
Cullercoats	62	10.9
Dockwray	123	14.0
Linskill	107	13.5
Percy	83	11.7
Preston	79	11.8
Trinity	126	14.5
Tynemouth	70	10.6
County Borough of Tynemouth	792	12.14
Mean of 10 years— 1929–1938	818	12.36

The Area Comparability Factor for 1939 is 1.11.

The deaths occurring in each quarter during the last five years were as follows:—

Period	1935	1936	1937	1938	1939	Death rate per 1,000 during 1939.
First Quarter ...	230	224	264	228	209	12.82
Second Quarter ...	229	178	222	207	204	12.51
Third Quarter ...	184	150	156	163	175	10.73
Fourth Quarter ...	181	221	216	199	204	12.51

PRINCIPAL CERTIFIABLE CAUSES OF DEATH.

Table to show Principle Certifiable causes of death in the Area during the Year, 1939

	No. of Deaths.	Proportion of Deaths per 1,000 Deaths from all causes.
Disease of Circulatory System—		
Disease of the heart ...	198	250.0
Cerebral Haemorrhage, etc.	66	83.3
Other Circulatory Diseases	28	35.3
Respiratory Diseases—		
Pneumonia	43	54.3
Influenzal Pneumonia ...	6	7.6
Bronchitis	39	49.2
Other Respitory Diseases	5	6.3
Tuberculosis—		
Tuberculosis (all forms) ...	63	79.5
Cancer and Malignant Diseases—		
Cancer and Malignant diseases	98	123.7
Deaths from all causes ...	792	

INFANTILE MORTALITY.

There were 76 deaths of children under one year of age, which gives an Infantile Mortality Rate of 68 to every 1,000 live births.

The infantile mortality rates for England and Wales, and for the Great Towns were 50 and 53 respectively.

NEO-NATAL MORTALITY.

The neo-natal mortality, i.e., the death rate under **1 month** of age per 1,000 births was 33.9.

UNEMPLOYMENT.

The following tables, for which I am indebted to the Manager of North Shields Labour Exchange, to Mr. S. Oldroyd, Secretary Juvenile Employment Bureau, and to Mr. G. Brown, Public Assistance Officer, Tynemouth, shows to some extent the amount of unemployment in the area during the past 5 years.

INFORMATION WITH REGARD TO PERSONS IN RECEIPT OF RELIEF.

	1935	1936	1937	1938	1939
Number of persons receiving out-relief	2,500	2,472	2,830	2,201	2,067
Average weekly number of persons receiving in-door relief	401	382	324	228	270
Total number of persons receiving in-door relief ...	1,601	1,604	1,618	1,675	1,495

The amount expended in out-door relief in the County Borough of Tynemouth, during 1939 was £39,368 15s. 6d.

Statement showing the Number of Persons Registered as Unemployed at the North Shields Employment Exchange on the Last Monday in March, each year.

	1935	1936	1937	1938	1939
Total Live Register ...	6,126	5,663	4,628	4,014	4,088
Temporary Stoppage Claims included in Total ...	176	190	345	136	162

Average Monthly Figures of Unemployed Juveniles between the ages of 14—18 years, during the years commencing August, 1934 to July, 1939, inclusive.

1934—1935	1935—1936	1936—1937	1937—1938	1938—1939
550	512	349	277	288

General Provision of Health Services.

MEDICAL PRACTITIONERS.

There are 23 doctors resident in the County Borough of Tynemouth who are engaged in private practice.

NATIONAL HEALTH INSURANCE.

I am indebted to Mr. Elias Lamble, Clerk to the Tynemouth Insurance Committee, for the following particulars:—

Average number of insured persons in the County Borough of Tynemouth during the year 1939 ... 27,000

Total number of prescriptions dispensed from December 1st, 1938, to November 30th, 1939 108,930

Average cost per prescription ... ... 8.8 pence

Average cost per insured person ... ... 36.6 pence

PUBLIC MEDICAL SERVICE.

A contributory scheme is in operation in the Borough for the provision of medical services for uninsured persons under the National Health Insurance Scheme. The total number of subscribers is 3890 persons, living in 1861 families.

NURSING IN THE HOME.

Full particulars of this Service which remains unaltered were included in my Report for 1930. During the year 1939, 508 visits were made by the nurses engaged in this work.

MIDWIVES.

The following is a list of 23 persons certified as midwives who notified their intention of practising within the Borough during the year 1939.

	NAME.	ADDRESS.	No. of Certificate.
1.	Kane, Mary H. ...	11, Hylton Terrace, North Shields ...	59933
2.	Hall, Margaret ...	17, Chirton Avenue, North Shields ...	57867
3.	Fanthorpe, Ethel ...	2, Wallsend Road, North Shields ...	45664
4.	Luke, May L.	47, Links Road, Cullercoats.	66397
5.	Mooney, Emily W. ...	8, Hylton Street, North Shields ...	79086
6.	Brand, Dorothy ...	6, Delaval Avenue	85797
7.	Carruthers, Marjorie ...	1, Brislee Ave., Tynemouth	78747
8.	Kane, M. Bedelia ..	11, Hylton Terrace, North Shields ...	104285
9.	Baird, Margaret ...	9, Frater Terrace, East Howdon ...	70363
10.	Hyslop, Mary ...	Frater Maternity Home, North Shields	69598
11.	Irving, Elizabeth ...	Frater Maternity Home, North Shields	61903
11.	Corney, Catherine ...	Tynemouth Victoria Jubilee Infirmary, North Shields	52258
13.	Armstrong, Eleanor ...	do. do. ...	94227
14.	Richardson, Sarah, B. ...	Jubilee Nursing Home, Grosvenor Place	77250
15.	Robertson, Ivy M. ...	Maternity Hospital, Willington Quay	42233
16.	McLeod, Ethel, ...	do. do. ...	78385
17.	Lambert, E.	Nurses Home, Shiremoor	36651
18.	Freeman, Mary P. ...	do. do.	105875
19.	Smith, Mary E. ...	28, Park Crescent	60107
20.	Wake, Justina, A. ...	29, Lansdowne Terr. West, No. Shields	68633
21	Carr, Eleanor	2, Alnwick Ave., Whitley Bay ...	45975
22.	Elliott, Rose A. ...	104, Tynemouth Rd., Howdon-on-Tyne	49601
23.	Lawson, Mary E. ...	24, Burdon Terrace, Wallsend	56938

POOR LAW MEDICAL OUT-RELIEF.

The total number of persons receiving Out-Relief during the year 1939 was 730. (Tynemouth District, 548. North Shields District 182). This service is now carried out on lines similar to National Health Insurance.

LABORATORY FACILITIES.

There has been no change during the year in the provisions of laboratory facilities which were described in the Annual Report for 1930. The following table shows the number, nature and results of examination of the specimens examined in the Tynemouth Laboratory from 1935.

Year.	Diphtheria.		Phthisis.		Typhoid Fever.		Strepto-coccus.		Miscellaneous	Totals
	+	—	+	—	+	—	+	—		
1935	190	1233	43	199	—	—	48	393	25	2131
1936	88	591	42	206	1	3	54	276	86	1347
1937	168	1333	38	233	9	58	21	150	193	2203
1938	445	2935	78	227	2	57	13	160	179	4096
1939	221	1724	129	244	2	52	19	228	171	2790

The bacteriological examination of milk, water and other specimens is carried out by arrangement at King's College laboratory, Newcastle.

The following specimens were examined during the year.

(1) Samples of Milk examined for T.B. by animal inoculation	74
(2) Samples of Designated Milk examined under Milk (Special Designations) Order, 1936	35
(3) Samples of Undesignated Milk submitted for bact. exam. ...	39
(4) Samples of Water submitted for bacteriological examination	2
(5) Blood examinations and serological tests	12
(6) Examinations of Excreta, etc. for enteric and disenteric organisms	16
(7) Other examinations	5
Total	183

Chemical and Bacteriological analyses are performed for the Local Authority by the Public Analysts for the Borough, in their laboratory in Newcastle. During the year 15 bacteriological and 2 chemical examinations were made on samples submitted by the Water Engineer.

In Preston Hospital and in the Tynemouth Victoria Jubilee Infirmary, certain examinations and analyses of clinical material were performed by the staff of each hospital, such examinations including Blood Counts, Blood Sugar Examinations, Urine Analyses, Slide and Smear Preparations, etc.

HOSPITALS AND INSTITUTIONS.

The Hospital services in the area and in the adjoining districts were described and discussed in the Annual Report for 1930. This year only additions or alterations in each hospital service are mentioned.

Hospital Beds in the County Borough of Tynemouth.

Classification of Wards.	Preston Hospital (Council). No. of Wards	Beds. Male	Female	Total.	Tynemouth Victoria Jubilee Infirmary. (Voluntary) Male	Female	Total.	Frater Maternity Home. (Council)	Moor Park Infectious Diseases, (Council)	Balkwell Smallpox Hospital. (Council)	Total.
					3 wards and side	3 wards and wards.		2 wards plus labour wards	5 wards plus side wards, shelters, and cubicle isolation	4 wards	
Medical	7	84	81	165	15	4	19	...	...	...	307
Surgical					23	22	45	...	...	...	
Children	3	...	...	70	...	...	8	...	...	...	
							2 wards				
Chronic Sick ...	3	58	28	86	...	...	...	...	...	...	86
Venereal	2	6	4	10	...	...	...	...	...	...	10
Tuberculosis ...	6	40	26	91*	...	...	...	...	20	...	111
Isolation	...	...	...	...	...	...	...	...	48	20	68
Maternity	1	...	12	12	...	8	8	6	...	...	26
Mental—*a* Short stay	2	2	2	4	...	...	...	...	...	...	4
b Long stay	...	...	...	...	...	...	...	...	...	...	...
Mental Defective ...	...	...	...	...	...	...	...	...	...	...	...
Other	...	...	...	...	...	...	...	...	...	...	...
Total	24	190	153	438* +	38	34	80	6	68	§20	612

All Beds—612.

No beds are specifically reserved for Orthopaedic ; Ear Nose and Throat ; Puerperal Fever and Pyrexia, or Ophthalmia Neonatorum cases, but beds for these diseases are available at both Preston Hospital and the Tynemouth Victoria Jubilee Infirmary.

*Includes 25 beds for Children. + Peace time bed establishment.

§ Balkwell Smallpox Hospital ceased to be available for Smallpox cases in September 1939.

FACILITIES AVAILABLE AT HOSPITALS IN THE COUNTY BOROUGH OF TYNEMOUTH.

Preston Hospital.

An agreement as to the joint usage of this Hospital with the Northumberland County Council has been extended until 1950.

The figures given below show the number of patients treated, and the nature of the disease dealt with, in Preston Hospital during the year 1939, and relate to all patients admitted from both the County Borough of Tynemouth and the County Council of Northumberland.

Number of beds available—471.

Classification of beds.	Provided.	Occupied on 31/12/39.
Medical and Surgical	Med. 62; Surg. 17. Total 79	
Children		12
Chronic Sick		74
Tuberculosis		43
Maternity		10
Others		9
Total	471	227

Number of patients admitted during the year	2,109
Number of patients discharged and died	2,260
Number of deaths during the year	471
Average number of beds occupied ... ... (Highest 424 on 6/4/39; lowest 196 on 13/9/39)	347
Number of patients seen at Venereal Diseases Clinic ...	424
Number of attendances at V.D. out-patient department ...	9,883
Number of surgical operations under gen. anaesthetic ...	50
Number of children, including children suffering from tuberculosis, admitted from 1/1/39 to 31/12/39 ...	468
Number of maternity patients admitted from 1/1/39 to 31/12/39	191
Number of patients seen ante-natally	142
Total number of visits by ante-natal patients	436
Number of X-ray examinations (Preston Hospital)	326

TYNEMOUTH VICTORIA JUBILEE INFIRMARY.

A full description of this Hospital was included in the Annual Report for 1930.

The following is a summary of the work performed in the Hospital during the year 1939:—

Patients Treated—(In-patients, 1,688; Out-patients 4,127;) Total—5,815.

Operations under general anaesthesia—1,689.
Patients treated in Massage and Electricity Department—297 (8505 visits).

Examinations in X-Ray Department—3.756.
Specimens Examined in Laboratory—912.

FRATER MATERNITY HOME.

Particulars of this Home are included in the Annual Report for 1930 and in previous years. As routine, swabs are taken from patients on admission. The following table shows the bacteriological findings in such examinations:—

Number of examinations	226
Number of swabs showing streptococci ...	17
Number of patients admitted during the year	120

The nett cost per patient during the year 1937/1938 was £4 : 5s. : 8.4d. per week.

BALKWELL SMALLPOX HOSPITAL.

There were no cases admitted during the year.

This Hospital ceased to be available for Smallpox cases in September, 1939, on the outbreak of hostilities.

MOOR PARK HOSPITAL.

ADMISSIONS, DISCHARGES, AND DEATHS DURING 1939.

Disease.	Patients in hospital on 1st January, 1939.	Admitted	Discharged	Died	Remaining in hospital on 31st Dec., 1939.
Dipththeria ...	12	110	114	—	8
Scarlet Fever ...	6	52	58	—	—
Tuberculosis ...	13	40	36	6	11
Erysipelas ...	—	1	1	—	—
Enteric Fever ...	—	1	1	—	—
Dysentary ...	—	1	1	—	—
Other * ...	—	12	9	2	1
Totals ...	31	217	220	8	20

* Other Suspicisous cases (7 Diphtheria,) (1 Enteric,) (1 T.B.Ob.) (1 Measles) (1 Whooping Cough) (1 Leukamia).

3 of the cases admitted during the year were Service Cases.

The total number of days spent in hospital by patients during the year was 7,954 or an average of 36.32 days per patient.

Institutional Provision for Unmarried Mothers and Illegitimate Infants, Homeless Children, and other children.

There has been no change in the above provision, which was detailed in my Report for 1930. The following shows the extent of the work accomplished during the year by the various organisations.

TYNEMOUTH RESCUE AND PREVENTIVE ASSOCIATION (voluntary, but subsidised by Council):—

Cases investigated	63
Cases placed in homes	11
Visits paid and received	733

PUBLIC ASSISTANCE COMMITTEE, TYNEMOUTH COUNTY BOROUGH.

Admitted to Homes—Orphans, 9; Deserted children, 5; Illegitimate children, 11; Others, 50. Total 75.

Admitted to Institution—Unmarried mothers, 27; Illegitimate children, 44. Total 71.

The Leslie Holiday Home, Seaton Sluice.

A Voluntary Association Home, administered by the Borough of Tynemouth Holiday Agency.

During the year there were 72 admissions, comprising 28 adults, 18 boys, and 26 girls. The Home provides 10 beds.

INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

Full particulars on this subject were included in the Annual Report for 1930, page 29. The following table shows the Institutions used by the Local Authority and the number of patients under treatment at the end of 1939.

		Prudhoe Hall Colony, Northumb'land N.E. Co. Boro. Joint Board.	Harton* Poor Law Institution, South Shields C.B.	Howbeck* House Poor Law Institution W. Hartlepool C.B.	Durran Hill House, Carlisle R.C. Certified Institution.	Rampton State Inst', Notts. Board of Control for violent cases.
Feeble minded	M.	38	2	—	—	3
	F.	25	—	2	—	—
Imbeciles	M.	8	2	1	—	—
	F.	4	—	—	1	—
Idiots	M.	1	—	—	—	—
	F.	2	—	—	—	—

*Part of premises a certified institution.

Mental Defectives are also admitted from time to time to Preston Road Institution, North Shields, as "a place of safety" pending removal to an approved Institution.

In addition the following cases are under Statutory Supervision:—

Males	47
(including 2 on leave of absence on licence in the Borough)	
Females	55
(including 1 on leave of absence on licence in the Borough)	

Seven cases (5 female and 2 male) are on leave of absence on licence from Institutions in the care of Guardians under the supervision of the Central Association for Mental Welfare, the North Eastern Council for Mental Welfare, or the Mental Deficiency Committee for the Area in which the Guardian resides.

2 cases have been transferred from a certified institution and placed under the guardianship of parents or relatives, and 1 remains under the guardianship of his parents.

One case has been discharged from order.

AMBULANCE FACILITIES.

The facilities available in the Borough were detailed in the Annual Report for 1938—page 20.

BLIND PERSONS.

The following is an analyses of the Blind Persons in the Borough on the Register of Blind Persons at 31st December, 1939.

At School	0	Between 60 & 70 ...	34
Under 20 years	1	,, 70 & 80 ...	27
Between 20 & 30 ...	10	,, 80 & 90 ...	5
,, 30 & 40 ...	14	Over 90	0
,, 40 & 50 ...	16		
,, 50 & 60 ...	29		
Total ...	... 136		

Under Sec. 176 of the Public Health Act, 1936, for the prevention of Blindness and for the treatment of eye disease or injury, 27 cases were dealt with during the year.

REGISTRATION OF NURSING HOMES.

One nursing home is registered under the Public Health Acts, 1936.

Sanitary Circumstances of the Area.

WATER.

The Capital Cost of the Water Undertaking of the County Borough of Tynemouth to date amounts to £999,052.

Chemical and Bacteriological analyses of water samples are performed for the Local Authority, by the Public Analysts for the Borough, in their Laboratory in Newcastle.

During the year, a number of samples of water were taken from domestic and other supplies in the Borough, and were submitted for chemical and bacteriological analyses, and in all instances, the results were found to be satisfactory.

Number of bacteriological examinations made on samples submitted by the Water Engineer	15
Number of chemical examinations made on samples submitted by the Water Engineer	2
Number of bacteriological examinations made on samples submitted by the Health Department	2
Number of chemical examinations made on samples submitted by the Health Department	Nil

The bacteriological and chemical analyses of other specimens will be found under the heading of Laboratory Facilities on page 9.

SWIMMING POOLS.

There are two Open-Air Salt Water Swimming Pools situated within the Borough. Periodically samples of water have been taken and have always attained a satisfactory standard.

DRAINAGE AND SEWERAGE.

The following sewer work, etc., has been executed during the year (information supplied by the Borough Surveyor).

New sewerage laid by private enterprise ...	605 l.yds.
New sewerage laid by Corporation on sundry improvements	245 l.yds.
Balkwell and Ridges Estates	Nil
West Chirton Estate	1,576 l.yds.

The sewers on the Ridges Estate have been laid on the seperate system, i.e., the foul water is entirely separate from the surface water sewer and although both occupy the same trench the surface water is, in nearly every case, at a slightly higher level.

There have been no conversions to the water carriage system at the cost of the Local Authority.

CLEANSING AND TRANSPORT DEPARTMENT.

Report of the Director of Public Cleansing. (Roy Marson, M.Inst., P.C.).

Almost the whole of the refuse storage in the Borough is by means of galvanised ashbins of prescribed standard pattern. There remains only a few privy pails in certain isolated premises in the town area, and only a small number of dry and privy ashpits in outlying places, where it has not been practicable to convert to the water carriage system.

The number of privy pail closets in the Borough is 23. There are also 24 dry pits and 59 privy pits.

During the financial year 688 standard ashbins were provided to eliminate defective ashbins and unsuitable receptacles.

Dry house refuse is collected throughout the Borough (during the day) weekly, with the exception of the before-mentioned isolated cases.

The collection vehicles are of the S.D. Freighter, Low-Loading Type, including one 10 cubic yard moving floor van type. These are supplemented by horse drawn two-wheeled vehicles. All the vehicles are on pneumatic tyres.

The contents of privy pails and ashpits are collected by one horse and cart during the night, and disposed of to farmers.

Refuse is disposed of by controlled tipping, with the exception of a small quantity of trade refuse which is incinerated.

The total mileage of streets to be cleansed is 84: 16 miles of which are cleansed once daily or more frequently, 6 miles twice weekly, and 62 miles once weekly.

Street cleansing is carried out by the "Orderly System." All sweepings are collected by motor vehicle direct from the beats and are finally disposed of within a short period from the time of sweeping.

Litter bins are affixed to street lighting standards in an endeavour to encourage pedestrians to refrain from depositing litter.

Exceptional weather conditions obtained in January, 1940, for three weeks heavy snow alternated with 20 degrees of frost with only one day's thaw. Roads in outlying districts were blocked to depths of 4ft. and over, and lengthy bays were cut to permit of vehicles passing. Snow was turned into ice by severe frost and vehicle pressure. Despite the handicap of black-out conditions, ploughing, snow removal and sanding continued until late evenings. 1,000 tons of sand were used.

Gullies are mechanically vacuum-cleaned regularly and re-sealed with fresh water.

Prevalence of and Control over Infectious and other Diseases.

ARTIFICIAL METHODS OF IMMUNIZATION AGAINST DISEASE.

VACCINATION.

The following Table gives the figures relative to the vaccination of Infants in the Borough, for the year 1938, under the Vaccination Acts.

Births	Vaccinated successfully.	Insusceptible.	Died unvaccinated.	Conscientious Objectors.	Postponed by Medical Certificate.	Removed.	Unaccounted.	Percentage not vaccinated including Columns 5, 6, 7 & 8.
1	2	3	4	5	6	7	8	9
1130	178	3	50	820	—	31	48	79·5

In addition, the following number of vaccinations were carried out during the year ended 30th September, 1939.

	Numbers of successful Primary Vaccinations of persons.			Number of Successful Re-vaccinations, i.e. Successful vaccinations of persons who had been Successfully vaccinated at some previous time.
	Under one year of Age	One year and upwards	Total	
By the Public Vaccinator, under the Vaccination Acts	104	9	113	8
By the Medical Officer of Health, under the Provision of the Public Health (Smallpox) Regulations, 1917	0	0	0	0

IMMUNISATION AGAINST SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER.

There were no persons tested for susceptibility or inoculated for Scarlet Fever, Diphtheria, or Typhoid Fever during the year.

Cases of Infectious Disease notified during the Year 1939.

Notifiable Disease.	Number of Cases Notified.								Total Cases Notified in each Ward.									Total Cases Removed to Hospital under Public Health and Special Acts.	Hopitals & Sanatoria where cases were treated						
	At all Ages.	At Ages—Years.							1 Chirton.	2 Collingwood.	3 Cullercoats.	4 Dockwray.	5 Linskill.	6 Percy.	7 Preston.	8 Trinity.	9 Tynemouth.		Moor Park Hospit'l (68 Beds)	N/c Gen. Hosp.	Preston Hospital (Poor Law)	Stanhope Sanator'm (6 Beds)	Stannington Sanat. (6 Beds)	Wolsingham	Wooley
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards.																	
Dysentery	5	...	4	...	...	1	...	...	1	2	...	...	1	...	...	1	...	1	1	...	...	...	...	...	...
Enteric fever	1	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	1	1	...	...	...	...	...	...
Puerperal pyrexia ...	9	...	...	...	3	6	...	..	2	3	...	1	1	...	1	1	...	...	...	...	...	...	...	...	...
Ophthalmia neonatorum	2	2	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Scarlet fever	79	...	15	52	8	4	...	...	11	21	2	9	2	9	12	6	7	52	52	...	...	...	...	...	...
Diphtheria	115	...	22	59	20	13	1	...	15	23	7	4	20	13	8	20	5	110	110	...	...	...	...	...	...
Erysipelas	31	...	...	4	4	9	8	6	6	1	3	5	2	5	3	4	2	1	1	...	...	...	...	...	...
Pneumonia	39	1	7	1	4	11	11	4	4	1	7	4	6	3	5	3	6	...	...	...	...	...	...	...	...
Influenzal pneumonia ...	4	...	...	...	...	3	1	...	...	...	1	1	...	...	...	2	...	...	...	...	...	...	...	...	...
Cerebro spinal fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary tuberculosis	69	...	2	4	23	24	15		11	1	3	14	10	10	6	13	1	79	41*	6†	21	6	2	2	1
Non-Pulmonary tuberculosis...	36	1	7	14	8	3	1	1 2	8	5	3	1	6	5	3	4	1	10	...	...	8	...	2	...	...
Totals	390	4	57	134	70	75	37	13	58	57	27	39	49	45	39	54	22	254	206	6	29	6	4	2	1

* 1. case admitted for observation only.

† 3 cases admitted for observation only.

NOTIFIABLE DISEASES (other than Tuberculosis) DURING THE YEAR, 1939.

(Table in accordance with Ministry of Health instructions).

Disease	Total Cases Notified													Cases Admitted to Hospital.	Total Deaths.
	under 1	1—	2—	3—	4—	5—	10—	15—	20—	35—	45—	65 & over	Total		
Smallpox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet fever ...	...	2	2	6	5	36	16	7	5	...	...	...	79	52	...
Diphtheria ...	...		10	7	5	45	14	12	19	2	1	...	115	110	...
Enteric fever	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...
Puerperal pyrexia	...	...	...	...	...	...	...	...	7	2	...	...	9	...	2
Pneumonia	1	2	1	2	2	...	1	2	6	7	11	4	39	...	40
Influenzal pneumonia ...	...	...	...	...	...	...	...	...	...	3	1	...	4	...	6
Other Diseases Generally Notifiable—															
Ophthalmia neonatorum ...	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...
Erysipelas	...	...	...	...	...	1	3	3	4	6	8	6	31	1	2
Cerebro spinal fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Dysentery	...	...	2	1	1	...	...	...	...	1	...	...	5	1	...
Malaria	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
Totals ...	3	4	15	16	13	82	34	24	42	21	21	10	285	165	51

OPTHTHALMIA NEONATORUM.

2 cases were notified during the year, both being Hospital Cases (1 non-resident).

In addition to cases of Ophthalmia Neonatorum, detailed above 31 cases of Discharging Eyes were attended by the Nursing Association who made 464 visits.

MEASLES AND WHOOPING COUGH.

The following table shows the number of deaths from Measles (including German Measles) and Whooping Cough, from 1930 to 1939—

		1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
Whooping Cough	School Notifications	216	117	149	206	164	149	117	237	72	*30
	Deaths at all ages ...	11	2	6	5	2	5	2	4	4	2
Measles (includes German Measles).	School Notifications	313	595	179	501	997	72	735	494	745	*20
	Deaths at all ages ...	—	18	3	7	14	2	8	4	5	—

* These figures relate to the period 1st Jan., to 1st Sept.' when schools were closed.

PEMPHIGUS NEONATORUM.

44 visits were paid by the District Nurse to 3 confirmed and 3 suspected cases of Pemphigus neonatorum.

All cases were attended by midwives.

DIARRHOEA AND ENTERITIS.

Deaths under 2 years 9, mortality rate, 8.04 per 1,000 births.

The mortality rates for England and Wales, and the Great Towns, were 4.6 and 6.3 respectively.

Deaths (all ages) 12, Mortality Rate per 1,000 of the population, 0.169.

FOOD POISONING.

Two suspected cases of food poisoning were referred to this Department for investigation.

In neither case was the suspected foodstuff contaminated with organisms of the food poisoning groups.

RESPIRATORY DISEASES. (See appendix Table II.)

Pneumonia, Bronchitis and other Resiratory diseases:—

Deaths: 87; Mortality rate per 1,000 living, 1·334.

CANCER.

DEATHS AND DEATH RATES FROM CANCER.

	1900 -04	1905 -09	1910 -14	1915 -19	1920 -24	1925 -29	1930 -34	1935 -39
Deaths	157	185	244	287	319	315	403	474
Death Rate per 1,000 living ...	0·596	0·672	0·823	1·001	0·996	0·950	1·229	1·424
Proportion of deaths per 1,000 deaths from all causes	31	37	51	56	72	74	99	117

Deaths, 1939—98. Mortality rate per 1,000—1.502.

There are facilities for early diagnosis and treatment in the Borough at the Tynemouth Victoria Jubilee Infirmary, where there is a complete unit including the services of an honorary consultant radiologist, and honorary consultant surgeon.

The localisation, age and sex distribution of the disease are shown in the following Table for the year 1939.

	5-15 yrs.		15-25 yrs.		25-45 yrs.		45-65 yrs.		65 yrs. and upwards.		Totals.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Buccal Cavity —	...	...	...	...	...	1	3	...	3	1	**6**	2
Stomach, liver etc.—	...	...	...	...	2	...	10	7	12	4	24	11
Peritoneum, intestines and rectum —	...	...	...	...	1	1	5	2	6	...	12	**3**
Female genital organs	...	...	...	...	...	1	...	4	...	3	...	8
Breast —	...	...	...	...	...	...	...	5	...	2	...	**7**
Skin —	...	...	...	...	...	...	..	...	...	...	...	...
Unclassified —	...	...	...	..	...	1	11	4	7	2	18	7
Totals —	...	...	...	...	3	4	29	22	28	12	60	38

DISEASES OF THE CIRCULATORY SYSTEM.

Under this heading are included Cerebral Haemorrhage, Heart Disease and Arterio Sclerosis.

DEATHS IN AGE AND SEX GROUPS DURING 1939 (Reg. Gen. Figures).

		All Ages	0-	1-	2-	5-	15-	25-	45-	65-	75
Heart Disease—	Male	93	...	..	...	...	1	2	35	29	26
	Female	87	...	...	1	...	2	5	19	35	25
Cerebral Haem –	Male	20	...	...	...	...	...	1	10	7	2
	Female	26	...	...	...	...	...	1	6	13	6
Other Circulatory Diseases –	Male	37	...	...	...	...	...	...	14	13	10
	Female	26	...	...	...	...	1	1	4	14	6
Total		289	...	...	1	...	4	10	88	111	75

INFECTIOUS DISEASES DIAGNOSTIC SERVICES.

Laboratory facilities and the services of the Medical Officers in the Health Department are available for the diagnosis of doubtful or unusual cases of infectious disease.

During the year the Medical Officers of the Department dealt with 15 cases in this connection.

DISINFECTION OF PREMISES AND ARTICLES OF CLOTHING.

The following Table shows the number of rooms disinfected and the number of articles of clothing removed and disinfected at Moor Park Hospital Disinfecting Station, during 1939.

Disease.	Rooms.	Articles of Clothing.
Diphtheria	113	1264
Scarlet Fever	87	779
Tuberculosis	90	322
Vermin	46	768
Measles	1	8
Dysentery	5	28
Other Diseases	29	41
Total ...	371	3210

The Council have three disinfectors, one at Moor Park Hospital, one at Balkwell Hospital, and one at Preston Hospital. The disinfection of articles removed from infected homes is undertaken at the station at Moor Park Hospital.

There is one Ford Motor van for the transport of infected and sterilised clothing and bedding. The van made 408 journeys during the year. The number of days on which the disinfector was in use at Moor Park Hospital amounted to 145.

DEINFESTATION.

During the year deinfestation of the furniture and effects of persons rehoused from Clearance Areas was carried out at Balkwell Hospital. The process used was 6 hours concentrated fumigation with Sulphur Dioxide (2.8% $S.O_2$.); the gas was kept circulating by means of fans.

During the year the furniture from 239 families was disinfected prior to removal to new houses on the Ridges Estate.

ACTION TAKEN FOR THE ERADICATION OF BED BUGS DURING THE YEAR 1939.

		Infested.	Deinfested.
(1)	Number of (a) Council Houses ...	6	6
	(b) Other Houses ...	29	29
(2)	The methods employed for freeing infested houses from bed bugs.	Spraying with Insecticide (Zaldecide) after preparation of room, e.g. stripping off wallpaper and removing skirting boards, etc. Infested bedding deinfested by Steam disinfector.	
(3)	The methods employed for ensuring that the belongings of tenants are free from vermin before removal to Council houses.	6 hours concentrated fumigation with Sulphur Dioxide (2.8% $S.O._2$) Gas being kept circulating by means of Electric Fans. 239 tenants effects have been so treated.	
(4)	Whether the work of deinfestation is carried out by the Local Authority or by a Contractor. ...	All deinfestation is carried out by experienced men employed directly by the Local Authority. Deinfestation of privately-owned and occupied property is not carried out by the Department. The services of a Sanitary Inspector are given in an advisory capacity, spray loaned free of charge, and insecticide sold at cost price.	

Tuberculosis.

The total number of notifications received was 180, relating to 105 (77 adults, 28 children) new cases; 7 of the total number were notified more than once.

(1) **Pulmonary Tuberculosis.**—Deaths, 52, mortality rate per 1,000, 0.8. The distribution of the deaths with mortality rate in each ward are as follows:—

Ward.	Notifications.	Deaths.	Mortality Rate 1939
Chirton ...	11	14	1·62
Collingwood	1	1	0 19
Cullercoats...	3	1	0·18
Dockwray ...	14	7	0·80
Linskill ..	10	4	0·51
Percy ...	10	8	1 13
Preston ...	6	5	0·74
Trinity ...	13	11	1·26
Tynemouth	1	1	0·15
Whole Borough	69	52	0·8

(2) **Non-Pulmonary Tuberculosis.**—Deaths, 11, mortality rate per 1,000, 0.16.

New Cases and Mortality from Pulmonary and Non-Pulmonary Forms of Tuberculosis during 1939.

Age Periods.	New Cases.				Deaths.			
	Pulmonary.		Non-Pulmonary.		Pulmonary		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	...	...	1	...	...	...	...	...
1— 5 ...	1	1	3	4	..	...	1	...
5—10 ...	...	...	4	7	...	...	2	...
10—15 ..	2	2	1	2	...	...	1	...
15—20 ...	9	5	1	3	4	1	2	...
20—25 ...	4	5	1	3	6	6	...	...
25—35 ...	9	5	...	3	5	5	...	2
35—45 ...	6	4	...	...	10	2	...	...
45—55 ...	9	3	1	...	9	1	1	...
55—65 ...	3	...	...	...	3	...	...	1
65 and over ..	1	...	1	1	...	...	...	1
Totals ...	44	25	13	23	37	15	7	4

REPORT UPON DISPENSARY AND INSTITUTIONAL TREATMENT.

RETURN FOR THE YEAR 1939.

(A) Return Showing Work of the Dispensary (or Dispensaries).

Diagnosis.	Pulmonary.				Non-Pulmonary.				Total.				Grand Total
	Adults		Children		Adults		Children		Adults		Children		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Number of definite cases of Tuberculosis on Dispensary Register 31/12/38	118	71	37	32	20	13	48	25	138	84	85	57	364
Number of new definite cases of Tuberculosis placed on Dispensary Register during 1939 ...	30	14	6	2	...	...	8	10	30	14	14	12	70
Number of cases removed from Dispensary Register during 1939	38	18	6	5	5	4	12	7	43	22	18	12	95
Number of definite cases of Tuberculosis on Dispensary Register 31/12/39	110	67	37	29	15	9	44	28	125	76	81	57	339

1. Number of attendances at the Dispensary (including contacts). ... 1390
2. Number of consultations with Medical practitioners:—
   (*a*) Personal 130
3. Number of visits by Nurses or Health Visitors to homes for Dispensary purposes 2390
4. Number of visits by Tuberculosis Officers to homes (including personal consultations) 5
5. Number of
   (*a*) Specimens of Sputum etc., examined 373
   (*b*) X-ray examinations made in connection with Dispensary Work ... 1353

X-RAY EXAMINATIONS.

Radiography of contacts, suspected cases and all notified cases were carried out during the year, subsequent examinations when necessary were made as part of the routine Dispensary supervision.

829 Radiographs, and 524 Screen examinations were made during the year.

ULTRA-VIOLET LIGHT THERAPY.

The total number of patients treated at the clinic during 1939 was 103 made up of 26 adults and 77 children.

The results of treatment were as follows:—32 were discharged healed or quiescent; 31 improved; 26 remained stationary; 3 retrogressed, and 11 ceased attending.

TYNEMOUTH CARE COMMITTEE.

The Committee, which consists of representatives of practically all the voluntary associations of the Borough and from a number of business firms etc., has now become purely self supporting from the administrative point of view, the administrator being the Hon. Financial Secretary (H. W. Welch). The Medical Staff of the Health Department act in an advisory capacity and refer cases from the Dispensary to the Committee who deal with them.

The number of cases assisted during the year was 20. Of this number 18 were granted Extra Nourishment consisting of special quantities of Eggs and Milk to approved cases of Tuberculosis. The remaining 2 cases were supplied with surgical appliances, boots, clothing, etc.

A Flag-Day was held during the year and raised the sum of £24 14s. 5d. In this connection, the Care Committee desire to place on record their thanks to all those helpers who have assisted with this collection, and those of past years. Owing to the grant made to the Care Committee by the Tynemouth Corporation, being now increased, it is not intended to continue the holding of Flag-Days in future.

Thanks are expressed for donations received from the Employees of the Newcastle and Gateshead Gas Co., and also to the Employees of Messrs. Smith's Dock Co.'s (Hospital Comm.).

Venereal Diseases.

The Centres available for the treatment of venereal diseases are the Joint Committees Clinic, Newcastle, and the Auxiliary Centre at Preston Hospital, Tynemouth, and at the Health Department, for females and children.

The number of persons from Tynemouth treated at the various clinics in the district is given in the following table:—

Disease.	Treatment Centre.			
	Newcastle.	South Shields.	Tyne-mouth.	Other Centres.
Syphilis	4	7	25	—
Soft Chancre	—	1	2	—
Gonorrhoea	5	10	74	—
Conditions other than venereal	21	8	54	—
Total new cases from Tynemouth	30	26	155	—
Attendances	793	—	7626	—

The attendance at the Preston Hospital Clinic, and Health Department Clinic, Tynemouth (including those made by foreigners and non-residents, not included in the above table), are:—

	Preston Hospital Clinic, Tynemouth.			
	Residents.	Non-Residents.	Foreigners	Total.
New cases	165	53	21	229
Attendances (all cases)	7626	1842	415	9883

The sources from which specimens were sent during 1939, are indicated in the following table:—

NATURE OF TEST	Newcastle V.D Clinic.	South Shields V.D Clinic	Tyne-mouth V.D. Clinic	Other Centres	Private Practi-tioners	Tyne-mouth Infirm-ary.
Blood:—						
Wasserman reaction	85	—	173	1	31	15
Kahn Test	—	—	—	1	—	—
Gonococcal fixation	31	—	3	—	1	—
Cerebro Spinal Fluid:—						
Wasserman	1	—	1	—	—	1
General examination	1	—	—	—	—	1
Microscopical Examinctions ...	—	—	1	—	8	—
Totals	118	—	178	2	40	17

Maternity and Child Welfare Department.

Margaret B. Steel, M.B., Ch.B., D.P.H., Maternity and Child Welfare Medical Officer.

Ante-Natal Clinics are held daily at the Public Health Department, and are attended by members of the Munipical Midwifery Service, who give attention on set days for the convenience of their own patients. 866 cases attended these Clinics during the year.

All patients are kept under observation, and any abnormality of a more serious character is immediately reported to the patient's own Doctor. During the year the number of such notification to private practitioners was 58.

Necessitous pregnant mothers, are, during the last three months granted extra nourishment. Under a scheme instituted by the Joint Council of Midwifery, through the National Birthday Trust Fund, dried milk was granted, but unfortunately, owing to lack of funds the Joint Council were unable to carry on, and the free distribution was terminated in July. There is also a Milk Depot administered by the Local Authority and assisted by Voluntary Workers, for the supply of dried Milk Foods at cost price, and under, to nursing mothers or children under one year of age.

The Invalid Children's Aid Society has continued to make a grant of Virol, Numol, Cod Liveer Oil and Malt, etc., for necessitous cases.

Three Child Welfare Clinics are held per week, for the weighing of children, whilst consultations concerning health and the feeding of children are given together with general advice and instruction to mothers.

The second year of life still provides the majority of cases of ill-health, rickets being responsible in most cases. Calcium deficiency and anaemia are prevalent during the winter months. A large proportion of the children over one year, develop dental caries following on rickets. These cases of dental caries are dealt with effectively at the Tynemouth Victoria Jubilee Infirmary Dental Clinic.

Treatment for ear, nose and throat conditions, and defective vision is given by the Schools Medical Officer, and also at the Tynemouth Victoria Jubilee Infirmary. Children requiring minor operative or any surgical treatment are also referred to the Out-Patient Department of the Tynemouth Victoria Jubilee Infirmary.

Ultra-Violet Light Clinics are held twice per week, great benefit being derived by the regular attendance of the patients. During the past year 44 cases, made 689 attendances, and the conditions treated were as under:—

Rickets	17
Debility and Anaemia	12
Debility following Infectious Disease	3
Malnutrition	9
Chest	1
Other causes	2

A general increase in appetite and energy, and gains in weight has resulted in the majority of cases treated.

MUNICIPAL MIDWIFERY SERVICE.

The Municipal Widwifery Service instituted as a result of the Midwives Act, 1936, has given very satisfactory service throughout the past year. There are 8 midwives engaged in this service, who, during the year, attended 601 births, 527 as midwives, and 74 in the capacity of Maternity Nurse.

NOTIFICATION OF BIRTHS.

During the year, 1,176 live births and 36 still births, making a total of 1,212 births were notified as follows:—

Notified by Medical Practitioners	17
,, ,, Midwives	913
,, ,, Others	282

5 births were found not to have been notified, but these were intimated after the requirements of the Notification of Births Act was brought to the notice of the persons concerned.

WORK OF MIDWIVES.

23 Midwives notified their intention to practice in the Area and attended in all 969 cases, acting in 298 cases as Maternity Nurse.

A summary of attendance is given below.

Municipal Midwives attended as Midwife ...	527	601
do. as Mat. Nurse	74	
Private Midwives attended as Midwife ...	48	71
do. as Mat. Nurse ...	23	
Institutional Midwives attended as Midwife ...	96	297
(T.V.J.I. & Frater Home) as Mat. Nurse ...	201	

The number of cases attended by the individual Municipal Midwives was, 87, 87, 81, 79, 66, 59, 58, and 40. Temporary midwives engaged during the year to cover sick relief attended 44 cases.

MEDICAL AID.

Medical Aid, in accordance with the rules of the Central Midwives' Board, was summoned in 365 cases. 327 for the Mother and 38 for the Child.

ANTE-NATAL CLINICS.

The following table shows the Ante-Natal Clinical attendances for the past year:—

Centre	Total new cases.	Total Attandances.	Average Attendances.
M. & C.W. Clinic ...	631	2751	4.36
T.V.J. Infirmary ...	143	339	2.37
Preston Hospital ...	92	436	4.74
	866	3526	4.07

POST-NATAL CLINICS.

During the year 19 patients attended the Post-Natal Clinics for advice. Abnormalties found are reported to the patients own Doctor, as is the case of patients attending the Ante-Natal Clinics.

STILL-BIRTHS.

The number of stillbirths registered in the Borough as given by the Registrar-General was 30. Included in this number is 1 illegitimate stillbirth.

NEO-NATAL MORTALITY.

The neo-natal mortality, i.e., the death rate under **one month** of age per 1,000 births was 33.9.

MATERNAL MORTALITY.

There were 2 Maternal Deaths during the year, giving a mortality rate of 1.74 per 1,000 live and still births.

Comparative Table of Maternal Deaths for past 10 years.

Year.	Births.	Birth Rate.	Tynemouth		England & Wales Maternal Mortality per 1,000 live births.
			No. of Maternal Deaths. (R.G.)	Maternal Mortality per 1,000 live births.	
1930	1280	19.41	10	7.81	5.59
1931	1276	19.71	5	3.91	5.55
1932	1238	18.66	5	4.04	5.37
1933	1135	17.25	6	5.28	5.94
1934	1172	17.77	5	4.26	5.85
1935	1201	17.38	3	2.49	4.10
1936	1209	18.10	4	3.31	3.81
1937	1087	16.25	2	1.84	3.23
1938	1104	16.60	5	4.50	3.08
1939	1119	16.70	2	1.74	2.93
Average	1182	17.84	4.7	3.81	*4.54

*mean of 10 years.

PUERPERAL PYREXIA.

During the year there were 9 cases notified, 7 of these being admitted to Hospital under the Puerperal Pyrexia Regulations, the diagnosis of which cases resulting as follows:—

Sapraemia	6
Influenza	1
Other Causes	2

One case included in the above figures treated in Preston Hospital was a non-resident of the Borough.

4 of the cases were attended at birth by midwives and 5 by medical practitioners, only 4 of the cases having attended the Ante-Natal Clinic.

HEALTH VISITING, AND INFANT HYGIENE.

The Health Visitors made a total of 17,603 visits during the year. A summary of these visits is given below:—

Infants under 1 year, First Visits, 996; Re-visits, 4258	5254
Infants between one and five years	12209
Ante-Natal Cases Visited	140
	17603

The following table shows the number of children on the register and the number of re-visits made during the year in each age group. (Nett births in the area during 1939 numbered 1,119).

Age Periods.	Number on Register in December 1939.	Number of re-visits made during 1939.	No. receiving Medical Inspection at the M. & C.W. Centre.	No. of attendances for Medical Inspection, during 1939.
0—1 year	558	4258	1020	5418
1—2 ,,	1155	3063	690	2116
2—3 ,,		3249		
3—4 ,,		2967		
4—5 ,,		2930		

BIRTHS IN RELATION TO SIZE OF HOUSE.

Year.	Nett Births.	No. Visited by Health Visitors.	Births in Apartments—No. of Rooms.										No. of Infantile Deaths	Infantile Mortality Per 1000 Live Births
			1 Room	% To Total	2 Rooms	% To Total	3 Rooms	% To Total	4 Rooms	% To Total	5 Rooms & Over	% To Total		
1918	1471	1397	219	15·7	457	32·7	350	25·0	234	16·8	137	9·8	169	114
9	1613	1639	324	19·8	497	30·3	403	24·6	234	14·3	181	11·0	200	123
1920	1947	1939	480	24 8	643	33·1	407	21·0	240	12·3	169	8·8	180	92
1	1708	1654	461	19·8	523	30·3	323	24·6	199	14·3	148	11·0	176	103
2	1618	1456	431	2 ·7	445	30·5	272	18·7	170	11·7	138	9.4	130	80
3	1576	1469	474	32.3	454	30·9	267	18·2	190	12·9	84	5·7	138	87
4	1521	1454	488	33·6	420	28.9	268	18·4	182	12·5	96	6·6	132	86
5	1452	1366	453	33·2	423	31·0	222	16·2	182	13·3	86	6·3	139	95
6	1341	1248	389	31·2	372	29·8	202	16·2	197	15·8	88	7·0	100	74
7	1337	1249	391	29·2	369	27·6	216	16·2	162	12·1	111	8·3	104	77
8	1252	1164	338	29·0	349	30·0	243	20·8	153	13·1	81	6·9	108	86
9	1203	1117	288	23·9	355	29·5	236	19·6	145	12·0	93	7·7	115	95
1930	1280	1180	321	25 8	327	25·5	248	19·4	153	11·9	131	10·2	80	63
1	1276	1203	304	23·8	383	30·0	245	19·2	189	14·8	82	6·4	102	80
2	1238	1083	286	23·1	343	27·7	209	16·9	165	13·3	75	6·1	102	69
3	1135	968	260	22·9	293	25·8	215	18·9	129	11·4	73	6·4	96	84
4	1172	988	203	17·5	359	30·7	211	18·0	134	11·4	81	7·0	85	77
5	1201	1095	204	16·9	294	24·4	292	24·3	184	15·3	115	9·5	76	63
6	1209	1119	122	10·1	305	25·2	303	25.1	215	17·8	174	14·4	78	65
7	1087	981	82	7·5	249	22·9	309	28·4	213	19·6	128	11·8	72	66
8	1104	1015	63	5·7	254	23·0	365	33·1	191	17·3	142	12·8	67	61
9	1119	996	65	5.8	250	22.3	283	25.3	250	22.3	148	13 2	76	68

MILK (MOTHERS AND CHILDREN) ORDER.

The total amount of Dried Milk distributed at the Milk Depot during the year was 32,524 lbs.

Dried milk has been supplied free, or at less than cost price in 316 cases.

No. of persons receiving milk free	28
No. of persons receiving milk at less than cost price	228
No. of lbs. distributed free	386
No. of lbs. distributed at less than cost price	6,563

The expenditure on Dried Milk during the year amounted to £2,371 13s. 11d.

During the year the following distributions were made to expectant mothers on behalf of the Joint Council of Midwifery.

Ostermilk	983 lbs.
Colact	411 lbs.
Yeast Extract	492 cartons.
Sterilised Dressings	4 packets.

This supply was discontinued in July, owing to lack of funds.

INFECTIOUS DISEASES.

The following table shows the number of Infectious Disease Cases notified during the year, in the principal Zymotic Groups.

Disease.	Number of cases notified during the year.	Number of cases visited by officers of the Council	Number of cases for whom home nursing was provided by the Council	Number of cases removed to hospitals.
(1) Ophthalmia Neonatorum	2	1	—	2
(2) Pemphigus Neonatorum	—	6	4	1
(3) Puerperal Pyrexia ..	9	3	—	7
(4) Measles and German Measles (in children	3	3	—	1
(5) Whooping Cough (do.)	11	11	—	—
(6) Epidemic Diarrhoea (do)	—	9	—	4
(7) Poliomyelitis (do.) ..	—	—	—	—

INFANT LIFE PROTECTION.

The Infant Life Protection Visitor, is a member of the Staff of the P.A.C., and works in close co-operation with the Health Visitors and School Nurses of the Local Authority.

During the year 12 visits were made.

The following notices were received during the year:—

Reception of Nurse Child	1
Removed to another area (evacuated)	1

There were no children on the register at the end of the year.

NURSERY SCHOOLS.

There are two schools of this type in the Borough, one the North Shields Nursery School situated in the western part of the town, and in the east, the Sir James Knott Memorial Nursery School. Both of these institutions have places for 80 children each. Attendances during the year, showed a marked decrease owing to prevailing conditions, and on the outbreak of hostilities both schools were closed and the toddlers evacuated.

Dr. M. B. Steel, the Maternity and Child Welfare Officer, in her capacity as Hon. Medical Officer to the Nursery Schools has made periodical visits and has been satisfied with all that she has seen. Whilst at the Maternity and Child Welfare Department, she has observed cases of backward children, whom she has referred to the Nursery Schools, and who after a short term, have shown a marked improvement in their condition. It is regretted that these institutions can not be continued in the Borough under present conditions.

Frater Maternity Home.

During the year 120 patients were admitted, and 119 confinements took place, 2 of which were stillbirths. The births included 66 males and 55 females.

The average duration of residence was 14.5 days. Medical Aid was requested in 44 cases, 42 for the Mother and 2 for the Child. There was one infantile death during the year.

As routine, swabs are taken from patients on admission. The following is the results of such examinations:—

Total patients admitted	120
Total Examinations	226
Number of swabs showing streptococci	17

This Maternity Home is under the control of the Public Health Committee, and is administered in co-operation with the Tynemouth Victoria Jubilee Infirmary, one Matron acting for both Institutions. General Practitioners attend their own patients in the Home. Part of the cost of the services under the local scheme, is recovered from the patients, in accordance with a scale of charges based on the family income.

Sanitary Inspection of the Borough.

By C. A. MURRAY, Senior Sanitary Inspector.

Public Health Department,
Tynemouth.
Nov., 1940.

To the MAYOR, ALDERMEN, AND COUNCILLORS,
Your Worship, Ladies and Gentlemen,

I beg to submit my Annual Report on the work of the Sanitary Inspectors during the year 1939.

A.R.P. duties and co-operation with Navy, Army and Air Force Authorities in sanitary matters, have seriously interfered with routine work since the commencement of the war.

May I take this opportunity of thanking the Health Committee and all colleagues for their helpful co-operation and keen interest in all work undertaken during the year.

I have the honour to remain,
Your obedient servant,
C. A. MURRAY.
Senior Sanitary Inspector.

FACTORIES ACT, 1937.

INSPECTIONS for purposes of provisions as to health.

Inspections made by Sanitary Inspectors.

Premises. (1)	Number of		
	Inspections (2)	Written Notices. (3)	Occupiers prosecuted. (4)
Factories with mechanical power ...	122	24	Nil.
Factories without mechanical power ...	45	5	Nil.
Other Premises under the Act (including works of building and engineering construction but not including out workers' premises)	2	—	Nil.
Total	169	29	Nil.

The table following shows the matters dealt with after receipt of notices from H.M. Inspector of Factories and remedied under the Public Health Acts.

Defects found.

Particulars. [1]	Number of Defects. Found. [2]	Remedied. [3]	Referred to H.M. Inspector [4]	No. of defects in respect of which Prosecutions were instituted. [5]
Want of cleanliness [S.1] ...	1	1	Nil.	Nil.
Overcrowding [S.2]	—	—	Nil.	Nil.
Unreasonable temperature [S.3] ...	—	—	Nil.	Nil.
Inadequate ventilation [S.4] ...	—	—	Nil.	Nil.
Ineffective Drainage of floors [S.6]	—	—	Nil.	Nil.
Sanitary Conveniences [S.7] — Insufficient	1	1	Nil.	Nil.
Sanitary Conveniences [S.7] — unsuitable or defective	36	36	Nil.	Nil.
Sanitary Conveniences [S.7] — not separate for sexes	1	1	Nil.	Nil.
Other offences	—	—	Nil.	Nil.
[Not including offences relating to Home Work or Offences under the Sections mentioned in the Schedule to the Ministry of Health [Factories and Workshops Transfer of Powers] Order 1921, and re-enacted in the Third Schedule to the Factories Act, 1937.]				
Total	39	39	Nil.	Nil.

There are on the register, 167 factories, 75 with mechanical power and 92 without mechanical power.

Outworkers.

During the year 1 notice under Section 110 of the Factories Act, 1937, was received. The premises were inspected and found to be in a satisfactory condition.

Means of Escape in Case of Fire.

Under the provisions of Section 34 (1) factories of certain categories are now required to be certified by the Council as having adequate means of escape in case of fire. Two Certificates were issued during the year.

List of Factories on the Register at the end of the Year.

Basket Maker ...	1	Hosier	2	Rag Sorter	1
Bakers	26	Ice Manufacturers	1	Rope Maker ...	1
Builders	6	Jeweller	1	Saddler	1
Blacksmiths ...	3	Joiners	12	Salt Packers ...	2
Cabinet Maker ...	1	Laundries	3	Scale Maker ...	1
Cartwright	1	Lead Manufacturer	1	Sculptor	1
Coffee Grinders ...	2	Milliners	1	Shoe Makers ...	2
Coach Builders ...	2	Metal Founders ...	2	Sheet Iron Worker	1
Coach Painters ...	1	Mineral Water		Skin Cleaner ...	1
Coppersmith ...	1	Manufacturer ...	1	Sugar Boiler ...	1
Compass Adjuster ...	1	Motor Engineers ...	4	Sawmills	1
Dress Makers ...	3	Net Makers	1	Tripe Preparer ...	1
Dyer	1	Oil and Guano		Tailors	7
Engineers	9	Manufacturer ...	1	Timber Merchants	5
Firewood Manu-		Photographers ...	3	Tinsmiths	3
facturers	2	Plumbers	6	Upholsterers ...	3
Funeral Furnisher	1	Paint Manufacturer	1	Metal Stockholders ...	1
Fish Curers ...	23	Pickle			
Gas Manufacturer ...	1	Manufacturers ...	2	Total ...	...167
Glazier	1	Printers	5		
House Decorators ...	1				

INSPECTION AND SUPERVISION OF FOOD.

Slaughterhouses.

The following Table shows particulars of all private slaughterhouses in the Borough at the end of 1939.

Definition.	No. of Slaughterhouses.
Registered	2
Licenced	15
Total	17

The number of Butchers using these slaughterhouses is 23.

Public Health (Meat) Regulations, 1924.

The following summary shows the work carried out under the above regulations:—

	Number of Visits.
(a) Slaughterhouses ...	647
(b) Butchers' shops ...	578
Total	1,225

As a result of these inspections 199 separate instances of disease and unsound conditions were discovered and the carcases and organs were condemned and destroyed. For full details see Tables on pages 38 and 39.

The amount of meat found unfit shows an increase over last year's figures.

In 1 case the meat was seized but in all the other cases the meat was voluntarily surrendered.

Sundry breaches of the Regulations were dealt with from time to time as they occurred, but on the whole the Regulations were well observed. For report on cases of illicit gut-scraping see Offensive Trades.

It is not possible to carry out ante mortem inspection of any of the animals slaughtered.

NUMBER OF ANIMALS SLAUGHTERED IN THE BOROUGH IN 1939.

	Beasts	Calves	Sheep	Pigs	Goats	Total
Private Slaughterhouses.	955	44	6584	466	Nil.	8,049

NUMBER OF CARCASES WITH ORGANS CONDEMNED.

Condemnations due to Tuberculosis.

Animals.	Whole Carcases		Part Carcases	
	Number	Weight	Number	Weight
Bovines	7	3,958 lbs	3	679 lbs
Pigs	—	—	—	—
Sheep	—	—	—	—
Totals ...	7	3,958 lbs	3	679 lbs

Condemnations due to Other Defined Diseases.

Animals,	Whole Carcases.		Part Carcases,	
	Number.	Weight.	Number.	Weight.
Bovines	1	80 lbs	...	...
Pigs	1	101 lbs	...	...
Sheep	...	...	...	...
Totals ..	2	181 lbs	...	...

Condemnations of Offal.

Animals.	Tuberculosis		Other Conditions	
	Condemnations	Weight	Condemnations	Weight
Bovines	30	694 lbs	32	523 lbs
Pigs	7	106 lbs	3	18 lbs
Sheep	...	...	...	...
Totals ...	37	800 lbs	35	541 lbs

OTHER FOODS INSPECTION.

There has been an increase in the quantity of food condemned this year as against 1938.

There have been no prosecutions as in all cases the food condemned was voluntarily surrendered. All unsound condemned foodstuffs are disposed of at a factory where they are utilized in the manufacture of manure, fertilizers etc.

Fish.

During the season a large number of boats are engaged in herring fishing and the catches are usually landed and dealt with the same day. All catches are dealt with at the Corporation Fish Quay and the quality of fish landed has been well maintained.

Mr. Tom MacKenzie, Quay Master,, has kindly placed at my disposal figures showing the volume and value of the trade done during the year 1939.

The following are the particulars :—

White Fish	...	306,894 cwts.,	...	£383,894
Herrings	...	25,599 crans,*	...	£51,219
Salmon and Trout		191,314 lbs.,	...	£17,318

* 1 cran = $3\frac{3}{4}$ cwts.

FOOD CONDEMNED.

Food.	Tons.	Cwts.	Qrs.	Lbs.
Beef	2	12	3	26
Pork	—	2	—	1
Fish	25	6	1	24
Shellfish	3	18	—	24
Canned Meats	—	7	1	26
Potatoes	1	1	—	—
Totals	33	8	—	17

MILK SUPPLIES.

There were 15 cowkeepers with 31 cowsheds, housing 285 cows on the Register at the end of the year. One cowshed was enlarged and improved.

During the year, all the herds of the farmers licensed to produce "Accredited" milk were examined four times, and the herds of the producers of ordinary milk received two routine visits and four farms received special visits. As a result of these inspections, 5 cows were slaughtered under the Tuberculosis Order, 1938. This number includes 3 animals discovered to be affected as a result of the milk sampling.

218 visits were made to cowsheds, dairies, milk shops, etc., and all infringements of the Milk and Dairies Acts and Orders, namely 36, were dealt with satisfactorily.

Consignments of milk coming into the Borough by road or rail received attention; also the condition of the empty churns returned.

Owing to pressure of work, it is not possible to take a census of the milk consumption as in previous years.

MILK FOR EXAMINATION FOR TUBERCLE BACILLI.

74 samples of milk were taken for examination, 43 were from sources within the Borough and 31 from outside sources.

3 of the samples disclosed the presence of tubercle bacilli.

The Veterinary Inspector subsequently examined the herds of the farms affected and as a result 3 animals were removed from the herds and slaughtered under the Tuberculosis Order, 1925-38.

Retail Purveyors of Milk.

Applications for registration received	13
Applications for registration granted	13
Number of milk dealers on the register	192
Dairy premises registered during the year	1
Producers and cowkeepers, wholesale dealers registered during 1939	2
Applications withdrawn	Nil
Retailers relinquishing registration	Nil

Graded Milk—Licenses Granted.

Dealers' licenses to sell Tuberculin Tested Milk	6
Supplementary licenses to sell Tuberculin Tested Milk	7
Producers licenses for Accredited Milk	4
Supplementary licenses for Accredited Milk	3
Dealers' licenses to sell Accredited Milk	1
Dealers' licenses to sell Pasteurised Milk	15
Dealers' licenses to bottle Tuberculin Tested Milk	4
Dealers' licenses to bottle Accredited Milk	4

Samples Taken.

There were 74 samples submitted for examination at the Bacteriological Department of the Durham College of Medicine and of this number 35 were Designated Milks under the Milk (Special Designations) Order, 1936 and the remaining 39 were Undesignated milks.

The results are below:—

Designated Milk.

Designation.	Total Samples Taken.	A Methylene Blue Reduction Test.		B. Coliform Test.		Pasteurised Milk Total number of organisms per c.c	
		S.	Not S	S.	Not S.	Under 100,000	Over 100,000
Tuberculin Tested	7	6	1	5	2	—	—
Accredited	20	20	—	18	2	—	—
Pasteurised	8	—	—	—	—	8	—
Total	35	26	1	23	4	8	—

S = Satisfactory.

Ordinary Milk.

Total Number of Organisms per c.c.

Total Samples taken	Under 1000	1000 5000	5000 30,000	30,000 100,000	100,000 200,000	over 200,000	B.Coli.T +	B.Coli.T −
39	—	3	11	13	4	8	13	26

TYNEMOUTH CORPORATION ACTS, 1916—1934.

Regulations made under the Acts are in force and no person is permitted to use premises for the preparation of food unless they are registered by the Local Authority, who have power to refuse registration if, in their opinion, the premises are unsatisfactory.

There are 99 persons in the Borough registered as occupiers of premises in which Ice Cream is sold or manufactured and 123 persons are registered as owners or occupiers of premises in which Preserved Meat, Fish Cakes, or other foods are prepared. The figures do not include the premises used for the business of fish and potato frying.

Number of inspections made of premises used for:—

Sale and Manufacture of Ice Cream	18
Sale and Manufacture of Other Foods	73

MERCHANDISE MARKS ACT, 1926.

There are approximately 620 shops and other places which come within the scope of this Act, which provides for the marking of imported foodstuffs (fresh apples, butter, currants, raisins, sultanas, eggs, raw tomatoes and honey etc.) Some 182 visits of inspection were made under this Act, and except in comparatively few instances the origin of the produce was found to be indicated.

FOOD AND DRUGS.

Milk and Cream Regulations, 1912—1927.

(1) MILK AND CREAM NOT SOLD AS PRESERVED CREAM.

	(a) Number of samples examined for the presence of a preservative.	(b) Number in which a preservative was reported to be present.
MILK ...	127	Nil.
CREAM ...	1	Nil.
TINNED CREAM ...	2	Nil.

Nature of preservative in each case in column (b) and action taken under the Regulations in regard thereto ... ... **Nil**

(2) THICKENING SUBSTANCES.

Any evidence of the addition to cream. Action taken when found ... **Nil**

Artificial Cream Act, 1929.

No samples were taken under this Act.

Chemical Analyses.

This work is carried out by H. C. L. Bloxham, F.I.C; Dean Street, Newcastle-upon-Tyne.

SALE OF FOODS AND DRUGS (ADULTERATION) ACT, 1928.

Table I. **Samples Taken.**

Articles Analysed	Total.	No. of samples taken for analysis.		No. found Adulterated.		Percentage of samples Adulterated.	
		Informal	Formal	Informal	Formal	Informal	Formal
New Milk	110	...	110	...	10	...	10·0
Pasteurised Milk	7	...	7	...	...	...	...
Sterilised Milk	10	...	10	...	...	...	...
Condensed Milk	6	6	...	...	...	...	...
Butter	5	5	...	...	...	...	...
Lard	6	6	...	...	...	..	...
Cheese	6	6	...	...	...	...	...
Jam	3	3	...	...	...	..	...
Margarine	5	5	...	...	...	...	...
Marmalade	3	3	...	...	...	...	...
Liquorice Powder	2	2	...	...	...	...	...
Boracic Powder	2	2	...	...	...	...	...
Zinc Ointment	3	2	1	1	1	50.0	100 0
MacClean's Powder	3	3	..	...	...	...	...
Gregory Powder	2	2	...	...	...	...	...
Arrowroot	1	1	...	...	...	...	...
Honey	2	2	...	...	...	...	...
Oatmeal	1	1	...	...	...	...	...
Vinegar	6	5	1	1	1	20·0	100 0
Sugar	1	1	...	...	...	...	...
Dripping	2	2	...	...	...	...	...
Sausage	1	1	...	...	..	...	...
Cream	1	1	...	...	...	...	...
Tinned Cream	2	2	...	...	...	...	...
Baking Powder	1	1	...	...	...	...	...
Lemon, Glycerine, Honey	1	1	...	...	...	...	...
Sild	2	2	...	...	...	...	...
White Pepper	3	3	...	...	...	...	...
Tea	2	2	...	...	...	...	...
Coffee and Chicory	2	2	...	...	...	...	...
Cocoa	1	1	...	...	...	...	...
Chicken, Ham & Tongue Paste	1	1	...	...	...	...	...
Turkey & Tongue Paste	1	1	...	...	...	...	...
Veal & Ham Paste	1	1	...	...	...	...	...
Chicken and Tongue Paste	1	1	...	...	...	...	...
Raisins	2	2	...	...	...	...	...
Lard Compound	2	2	...	...	...	...	...
Anchovy Paste	1	1	...	...	...	...	...
Lobster Paste	2	2	...	...	...	...	...
Chicken & Ham Paste	1	1	...	...	...	...	...
Glycerine	2	2	...	...	..	...	...
Olive Oil	2	2	...	...	...	...	...
Camphorated Oil	2	2	...	...	...	...	...
Aspirin Tablets	2	2	...	...	...	...	...
Sauce	3	3	...	...	...	...	...
Bicarbonate of Soda	1	1	...	...	...	...	...
Cream of Tartar	2	2	...	..	...	...	...
Spirit of Nitre	3	2	1	1	1	50·0	100·0
Iodine Ointment	2	2	...	...	...	...	...
TOTALS	233	103	130	3	13	2·9	10·0

Public Health (Condensed Milk) Regulations, 1923—1927.

6 samples were examined under these Regulations.

Public Health (Dried Milk) Regulations, 1923—1927.

No samples were taken under these Regulations.

Public Health (Preservatives in Food) Regulations, 1925—1927.

22 samples were examined under these Regulations.

PARTICULARS OF ADULTERATED SAMPLES.

TABLE II.

No.	Articles	Defect.	Action taken.
2	New Milk.	8.6% deficient in Milk Fat.	Letter of Caution from Town Clerk to Vendor and Farmer.
48	Zinc Ointment.	36% deficient in Zinc Oxide.	Letter of Caution from Town Clerk to manufacturer: (Follow-up sample No. 77).
76	New Milk.	2.4% deficient in Non-fatty Solids.	Letter of Caution from Town Clerk to Vendor.
77	Zinc Ointment.	30.6% deficient in Zinc Oxide	Letter of Caution from Town Clerk to manufacturer.
84	New Milk.	1.2% deficient in Non-fatty Solids.	Letter of Caution from Town Clerk to Farmer and Vendor.
87	New Milk.	13% deficient in Milk Fat.	Letter of Caution from Town Clerk to Vendor.
100	New Milk.	1% deficient in Non-fatty Solids.	Letter of Caution from Town Clerk to Farmer and Vendor.
102	Vinegar.	85% deficient in Acetic Acid.	Vendor prosecuted. Fined 10/- and 22/- costs.
103	Vinegar.	90.5% deficient in Acetic Acid.	Follow-up sample No. 102.
109	New Milk.	21.6% deficient in Milk Fat.	Letter of Caution from Town Clerk to Farmer and Vendor.
110	New Milk.	0.8% deficient in Non-fatty Solids.	Letter of Caution from Town Clerk to Farmer and Vendor.

No.	Articles.	Defect.	Action taken.
149	New Milk.	1.7% deficient in Non-fatty Solids.	No action taken. Follow-up samples genuine.
171	New Milk.	5% deficient in Milk Fat.	Letter of Caution from Town Clerk to Vendor.
188	New Milk.	24% deficient in Milk Fat	Vendor appeared before Health Committee and was formally cautioned
228	Sweet Spirit of Nitre.	15.2% deficient in Ethyl Nitrite.	Follow-up sample No. 232
232	Sweet Spirit of Nitre.	18.4% deficient in Ethyl Nitrite	Letter of Caution from Town Clerk to Manufacturer

Bakehouses.

There are 25 premises on the Register. These have been inspected regularly and it has not been necessary to serve any notices for limewashing during the year.

SHOPS ACT, 1934. (SECTION 10).

The provisions of the above section relate to the Health and comfort of shop assistants.

During the year 182 visits of inspection were made.

Number of Notices Served.

DEFECT	NOTICES SERVED	WORK CARRIED OUT
Want of sanitary conveniences ..	5	3
Want of washing accommodation	4	3
Insufficient means of heat and ventilation	4	4
Lighting	1	1

RAG FLOCK ACTS, 1911 and 1928.

No samples were obtained. This material seems to have fallen into disuse.

SLAUGHTER OF ANIMALS ACT, 1933.

There are 62 Licensed slaughtermen in the Borough.

No infringement of the Regulations concerning the above Act came to the notice of the Department during the year. The stunning of sheep is not carried out in the Borough.

PUBLIC HEALTH (SMOKE ABATEMENT) ACT, 1926.

Seven observations were made during the year and in two instances black smoke was emitted in excessive quantities. The premises were visited and the cause of the smoke investigated, and it was found that the plant was in order and that the nuisance resulted from careless stoking. Verbal warning was given in each case with satisfactory results.

SEAMENS' AND COMMON LODGING HOUSES.

At the end of the year there were 4 Seamen's and 1 Common Lodging House on the Register. Total number of beds contained therein, 116. During the year 1 Seamen's Lodging House was closed due to Slum Clearance and 1 Common Lodging House was demolished by private enterprise.

12 visits of inspection were made during the year and no cause for complaint was found at the time of inspection. The Chief Constable has also had inspections made and has found everything satisfactory.

OFFENSIVE TRADES.

The premises at which Offensive Trades are carried on have been frequently visited and inspected, and the Regulations have been strictly enforced. During the year, it was necessary to institute prosecutions against two Butchers for Gut Scraping on unlicensed premises. The butchers concerned were fined one pound each.

The following is a list of the Offensive Trades registered in the Borough:—

Tallow Melting	1
Fish Liver Boiling	1
Fish Meal Manufacture	1
Tripe Boiling	3
Fish Manure Manufacture	1
Gut Scraping	3
Fish and Potatoe Frying	34
Total	44

During the year 2 Fried Fish Shops were closed down. 5 licences were transferred to new premises; 2 applications for new licences were deferred; and 5 licences were transferred to fresh occupiers.

THEATRES, MUSIC HALLS, AND PUBLIC BUILDINGS.

The Inspector of Public Buildings has regularly visited all places of amusement and no complaint of defects or irregularities have been made in connection with the Ventilation, Sanitation or Cleanliness of any of these buildings.

INSPECTION AND TESTING OF DRAINS.

Questions relating to the remodelling of old systems and the installing of new systems have been discussed with owners and builders with advantage to all persons interested, as both efficiency and economy has been secured. When old systems are tested, smoke is used, unless the drain is uncovered, when the drains, both old and new, are tested with water. The drains and sanitary conveniences of new buildings are dealt with by the Borough Surveyor's staff.

The following shows the various tests which were carried out during the year:—

Smoke Tests	84
Chemical Tests	7
Water Tests	18
Total	109

SANITARY CONVENIENCES (PUBLIC).

All Public Conveniences are under the control of the Director of Public Cleansing and have always been kept in a satisfactory condition.

RATS AND MICE (DESTRUCTION) ACT, 1919.

As required by the Ministry, special efforts were made during Rat Week to secure concerted action in the destruction of rats and mice. Much preparatory work was undertaken during the weeks preceding the appointed time to secure success.

The results ascertained were that 160 rats and 135 mice were destroyed.

Rat traps are available at the Health Department and were on loan to 29 persons making application for them during the year.

SCHOOLS.

There have been no complaints received of inadequate ventilation, sanitation or drainage at any of the schools. There are 23 schools in the Borough (this figure includes 2 Nursery Schools) under the control of the Tynemouth Education Authority and the structures are under the supervision of Mr. J. H. Forsyth, the Clerk of Works.

Housing.

HOUSES ERECTED DURING 1939.

WARD.	Number of Rooms.							
	1	2	3	4	5	6	7 & over	Total
Chirton ...	...	14	28	28	8	12	...	90
Collingwood	...	...	48	109	3	1	...	161
Cullercoats ..	...	...	...	...	10	20	...	30
Dockwray ...	...	...	...	...	...	...	...	...
Percy ...	...	...	32	76	20	...	...	128
Preston ...	..	...	...	4	1	4	...	9
Tynemouth ...	...	...	...	...	...	3	1	4
Totals ...	...	14	108	217	42	40	1	422

Of the above 14 two-roomed dwellings, 60 three-roomed dwellings, 100 four-roomed dwellings, 28 five-roomed dwellings, and 12 six-roomed dwellings were provided under the Corporation Housing Scheme.

NEW HOUSES ERECTED DURING 1939.

(A.) Total Number of Houses Erected—422

(1)	By the Local Authority	214
(2)	By other Local Authorities	Nil.
(3)	By other Bodies and Persons	208

(B). Houses erected with State Assistance under the Housing Acts. (Included in A.).

(1)	By the Local Authority—	
	(*a*) For the purpose of Part II. of the Act of 1925	Nil.
	(*b*) For the purpose of Part III. of the Act of 1925	Nil.
	(*c*) For other purposes	Nil.
	(*d*) Housing Act, 1936	214

The above information has been supplied by the courtesy of the Borough Surveyor.

I.—Inspection of dwelling houses during the year.

(1)	(*a*) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)	520
	(*b*) Number of inspections made for the purpose ...	3235
(2)	(*a*) Number of dwelling houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidation Regulations, 1925-32	Nil.
	(*b*) Number of inspections made for the purpose ...	Nil.
(3)	Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	201
(4)	Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation ...	46

II.—Remedy of Defects during the year without Service of Formal Notice.

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority, or their Officers	259

III.—Action under Statutory Powers during the year.

(A.) Proceedings under Sections 9, 10, and 16 of the Housing Act, 1936.	
(1) Number of dwelling houses in respect of which notices were served requiring repairs	71
(2) Number of dwelling houses which were rendered fit after services of formal notices:—	
(*a*) By owners	65
(*b*) By Local Authority in default of owners ...	1
(B.) Proceedings under Public Health Acts.	
(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	62
(2) Number of dwelling houses in which defects were remedied after service of formal notices:—	
(*a*) By owners	35
(*b*) By Local Authority in default of owners ...	10
(C.) Proceedings under Sections 11 and 13 of the Housing Act, 1936.	
(1) Number of dwelling houses in respect of which Demolition Orders were made	10
(2) Number of dwelling houses demolished in pursuance of Demolition Orders	Nil
(D). Proceedings under Section 12 of the Housing Act, 1936.	
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ...	1
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ...	Nil

HOUSING ACT, 1936—PART IV—OVERCROWDING.

(A.) (1) Number of dwellings overcrowded at the end of the year	775
(2) Number of families dwelling therein	775
(3) Number of persons dwelling therein	*4,331
(B.) Number of new cases of overcrowding reported during the year	12
(C.) (1) Number of cases of overcrowding relieved during the year	202
(2) Number of persons concerned in such cases	* 953$\frac{1}{5}$
(D.) Particulars of any cases in which dwelling houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	Nil

* Units as per Housing Act 1936.

HOUSING ACT, 1936.

OVERCROWDING SUMMARY. - 31st December, 1939.

Ward	PRIVATE. TENANTS.				SLUM. TENANTS.				CORPORATION. TENANTS.				TOTAL TENANTS.			
	Total	Un-cr'ded	Over-cr'ded	Per-cent.	Total	Un-cr'ded	Over-cr'ded	Per-cent.	Total	Un-cr'ded	Over-cr'ded	Per-cent.	Total	Un-cr'ded	Over-cr'ded	Per-cent.
Chirton ...	972	951	21	2·16	65	56	9	13·85	1029	987	42	4·09	2066	1994	72	3·48
Collingwood	1035	977	58	5·59	44	36	8	18.18	341	336	5	1·47	1420	1349	71	5·00
Cullercoats...	1243	1221	22	1·77	66	56	10	15.10	46	46	...	...	1355	1323	32	2·36
Dockwray ...	1867	1743	124	6·64	219	192	27	12·33	111	107	4	3·61	2197	2042	155	7·06
Linskill ...	1834	1749	85	4·63	156	140	16	10·25	21	21	...	...	2011	1910	101	5·02
Percy ...	795	754	41	5·15	7	7	...	...	1375	1343	32	2·33	2177	2104	73	3·35
Preston ...	1614	1570	44	2·73	17	15	2	11·78	5	4	1	20·00	1636	1589	47	2·87
Trinity ...	2249	2045	204	8·09	22	20	2	9·09	7	7	...	...	2278	2072	206	8·16
Tynemouth...	1063	1049	14	1·31	...	...	...	...	60	56	4	6·67	1123	1105	18	1·60
Totals ...	12672	12059	613	4·84	596	522	74	12·41	2995	2907	88	2·94	16263	15488	775	4·76

The following table shows the distribution of families (excluding those in Corporation-owned houses), as far as can be ascertained.

Number of families living in	Private.	Slum.	Total.
1 room	591	146	737
2 rooms	2,183	327	2,510
3 rooms	3,563	141	3,704
4 rooms	3,352	36	3,388
5 rooms	2,326	7	2,333
6 rooms	751	1	752
7 rooms	324	1	325
8 rooms	228	1	229
9 rooms	108	—	108
10 rooms and over...	52	—	52
Totals ...	13,478	660	14,138

It should be borne in mind that these figures include a considerable number of tenemented properties where the number of rooms let to one family varies from one tenancy to another.

The Table of figures relating to the above Act, see p. 50, have been compiled from the records of overcrowding properties situate in the Borough. Every effort has been made to keep the records up to date, but with the limited staff available, it would be impossible to administer the Act with any efficiency unless additional staff is appointed.

The relative proportion of overcrowding obtaining in the three groups of properties at the end of the year was found to be:—

(1) Private	613
(2) Corporation	88
(3) Slum	74
Total ...	775

The following table shows the percentage of overcrowded families in the Borough since the original survey.

1936.	(Estimated on standard of Form "A" see Annual Report 1936 p. 58) ...	12.96%
1937.	(Form "B")	10.5%
1938.	(do.)	8.74%
1939.	(do.)	4.76%

Whilst there have been no houses built specifically for overcrowded families, the Borough Treasurer was able to utilise 49 houses, being part balance of houses built to rehouse Slum Clearance tenants where, due to the present hostilities, enquiries for Slum Clearance Areas were suspended. The remainder of the surplus houses will be filled in 1940. In addition, 42 overcrowded families were given accommodation through exchanges or other means, due to casual vacancies.

Regard should be taken of the alleviation of overcrowding in properties scheduled in Slum Clearance Areas. During the year 72 overcrowded families have been removed from Slum Areas and given ample accommodation in new houses erected under the Housing Acts.

The total overcrowded families relieved during the year was 202.

The provisions of the Act have been advertised in the local Press and by posters several times.

During the year, 31 certificates, relating to 243 properties, giving the " Permitted Number " were issued to local landlords.

NUISANCES AND DEFECTS.

The following table shows the nature of nuisances and defects dealt with during the year:—

NUISANCE OR DEFECT.	DEFECTS FOUND.		
	Inspected Under Public Health Acts.		Inspected Under Housing Acts.
	Informal.	Statutory.	Statutory.
Accumulations of—			
Refuse or rubbish	10	6	—
Manure	1	—	—
Water	3	2	—
Earth	—	—	—
Animals and Poultry—			
Nuisance from	—	—	—
Offal, bones, etc.	—	—	—
Buildings—			
Defective ceilings	14	2	27
,, floors and skirtings	11	7	40
,, gables	—	—	10
,, doors, doorframes, etc. ...	19	10	133
,, roofs	29	10	87
,, windows, frames, sashes, & skylights	14	4	167
,, chimney stacks	2	—	39
,, chimney pots	1	—	11
,, fireplaces & cooking ranges	15	5	37
,, walls (external)	14	3	177
,, walls (internal)	17	6	107
,, scullery sinks	14	4	6
,, lavatory basins, baths, etc.	7	4	—
,, eaves and r.w.f. pipes ...	33	10	138
,, steps	1	1	10
,, (or dirty) staircases and passages	2	1	22
Dampness of walls, etc.	79	26	34
Inadequate Ventilation and lighting ...	39	5	36
Premises in a dirty condition	7	—	—
Unlighted and unventilated cellar ...	—	—	
Drainage—			
Defective or obstructed drains ...	57	—	—
,, gullies	29	4	2
,, waterclosets, cisterns, pipes, etc.	29	2	11
,, or obstructed inspection chambers	14	1	—
Insufficient water closet accommodation	3	—	—
Replace obsolete fittings (traps etc.) ...	2	1	—

Food Stores—			
Insufficient food store	1	1	25
Unventilated food store	—	—	19
Defective food store	2	1	9
Limewashing	4	1	8
Miscellaneous Nuisances—			
Offensive smells	—	—	—
Smoke Nuisance	7	1	1
Verminous premises	19	9	10
Infestation by rats and mice	13	4	—
Defective manure pits	—	—	—
Outhouses and Offshoots—			
Defective structures	1	1	22
Insufficient coal-store	—	—	—
Refuse Receptacles—			
Insufficient	3	1	1
Defective condition of ash-pits	—	—	1
Wash-houses—			
Defective structure	—	—	13
,, set pots, furnaces etc. ..	6	—	36
,, washing bench	—	—	4
Dirty wash-house	—	—	—
Insufficient washing accommodation ..	—	—	—
Water Supply—			
Insufficient	1	—	—
Disused wells	—	—	1
Defective pipes	—	1	1
Poor Pressure	—	—	—
No water supply	2	—	—
Yards—			
Defective surfaces	5	1	20
,, yard walls	—	—	44
,, yard gates	2	2	16
Dirty condition of yard	2	—	—
Totals	534	137	1334

NUISANCES AND DEFECTS REMEDIED DURING 1939.

The following table shows the total number of nuisances and defects remedied during the year and also the number still outstanding at the end of 1939 and carried forward to 1940 for attention.

	Public Health Acts.	Housing Acts
	INFORMAL	STATUTORY	STATUTORY
No. of defects remedied under outstanding 1938 notices ...	104	20	559
Defects (informal notices) transferred to Statutory notices	137	—	—
No. of defects remedied under notices served in 1939 ...	341	84	683
No. of defects outstanding and transferred to 1940 for attention	56	53	651

SUMMARY OF WORK DONE BY SANITARY INSPECTORS.

Premises where work has been carried out by Verbal notice ... 112

Complaints.

Matters referred to other Departments	53
Complaints received	573
Complaints confirmed	422
Nuisances found	330

SYNOPSIS OF INSPECTION WORK.

Total number of Inspections made	5920
Total number of Re-Inspections made	4883

Dwelling Houses.

	Inspections.	Re-Inspections.
Ordinary	13	—
Infectious Disease	281	29
Housing Act 1936 (Sec. 9, 10 & 16) ...	189	643
Housing Act 1936 (Special Surveys Clearance Areas)	318	2592
Housing Act (Overcrowding)	258	1120

Sanitary Conveniences.

Water Closets	101	55
Privies and Tub Closets	1	—
Urinals	8	1

Refuse Storage.

Accumulation	43	39
Ash-bins	8	1
Ash-places	2	—

Drains.

	Inspections	Re-Inspections.
Inspections	168	86
Smoke tests	84	27
Chemical tests	7	—
Water tests	18	1

Sewers, Etc.

Sewers	33	5
Cesspools	—	—

Factories, Etc.

Factories with mechanical power	61	100
Factories without mechanical power. (excluding Bakehouses) (including Stables, Restaurant kitchens, etc.)	19	--
Bakehouses (Factory)	61	9
Bakehouses (Non-factory)	26	—
Other Premises	2	—
Outworkers	1	—

Miscellaneous.

Air Raid Precautions	187	—
Billets—H.M. Forces	25	—
Butchers' shops	569	9
Dairies, Milk Shops and Stores / Cowsheds	214	4
Dangerous Structures	13	—
Entertainment Houses	—	—
Fish Merchants' Shops and Stores	76	—
Houses let in Lodgings	—	—
Ice Cream Premises	17	1
Lodging Houses	11	1
Meetings with Owners or Tradesmen	471	10
Miscellaneous Visits	912	45
Offensive Trades, including Fish Frying	64	4
Piggeries	8	1
Slaughterhouses, Private	623	24
Special Notices of Slaughter	31	—
Smoke Observation	7	—
Shops Act Inspections	145	37
Special Visits	532	—
Sanitary Inspections	201	16
Van Dwellings	—	—
Visits under Rat & Mice Destruction Act	55	6
Cooked Food Preparers	57	16
Totals	5,920	4,883

TABLE I.

Vital Statistics of Whole District during 1939 and previous Years.

Year.	Population estimated to middle of each Year.	Birth. Nett. Number.	Birth. Nett. Rate.	Total Deaths Registered in the District. Number.	Total Deaths Registered in the District. Rate.	Tranferable Death. of Non-residents register'd in the District.	Tranferable Death. of Residents not registered in the District.	Nett Death belonging to the District. Under 1 Year of Age. Number.	Under 1 Year of Age. Rate per 1,000 Nett Births.	At all Ages. Number.	At all Ages. Rate.
1930	65880	1280	19·41	931	14·1	179	35	80	63	787	11.94
1931	64720	1276	19·71	950	14 7	173	37	102	80	814	12 57
1932	65630	1238	18·86	890	13·6	179	37	86	69	748	11·4
1933	65770	1135	17·25	1063	16·1	238	48	96	84	873	13·27
1934	65950	1172	17·77	1022	15·5	229	47	85	77	840	12·73
1935	67350	1201	17·38	1033	15.3	255	46	76	63	824	12·23
1936	66800	1209	18·1	1022	15·3	286	37	78	65	773	11·57
1937	66880	1087	16·25	1135	16·9	323	46	72	66	858	12·83
1938	66510	1104	16·6	1054	15·8	307	50	67	61	797	11·98
1939	67000	1119	16·7	1038	15.9	303	57	76	68	792	12·14

Area of District in acres (exclusive of area covered by water), 4,604.

Total population at all ages, 64,922.
Population in private families, 62.058.
Number of private families, 16,079.
Average number of persons per family, 3·86
Number of dwelling-houses, 13,635.
Number of inhabited dwelling-houses, 13,338

} At Census of 1931.

TABLE II.

Causes of, and Age at Death during the Year 1939.

Causes of Death.		All Ages	Nett Deaths at the Subjoined ages, of "Residents" whether occurring within or without the District.									Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District.
			Under 1 year	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and under 75 years.	75 and over.	
All Causes	Certified ...	760	72	6	10	11	37	82	214	187	141	582
	Uncertified ...	32	4	...	...	...	1	2	10	9	6	3
1	Typhoid and Paratyphoid Fever	...	...	...	...	...	...	...	...	...	...	...
2	Measles	...	...	...	...	...	...	...	...	...	...	...
3	Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...
4	Whooping cough	2	...	1	1	...	...	...	...	...	...	1
5	Diphtheria	...	...	...	...	...	..	..	...	...	...	...
6	Influenza	6	...	...	...	...	...	2	1	1	2	...
7	Encephalitis lethargica ...	1	...	...	...	...	...	1	...	...	...	4
8	Cerebro spinal fever ...	1	...	...	1	...	...	...	...	...	...	2
9	Tuberculosis of respiratory system	52	...	...	...	...	17	22	13	...	...	47
10	Other Tuberculous diseases	11	...	1	...	3	2	2	2	1	...	7
11	Syphilis	5	...	...	...	...	..	...	4	1	...	4
12	General Paralysis of the insane Tabes dorsalis ..	3	...	...	...	...	...	1	...	1	1	5
13	Cancer, malignant disease ..	98	...	...	...	...	...	7	51	31	9	71
14	Diabetes	5	...	...	...	...	...	1	1	3	...	3
15	Cerebral hæmorrhage, &c. ...	66	...	..	...	...	...	2	24	27	13	47
16	Heart disease	199	...	1	2	1	4	7	65	68	51	158
17	Aneurysm	3	...	...	...	...	...	1	1	1	...	...
18	Other Circulatory diseases ...	28	...	...	...	...	...	1	5	12	10	20
19	Bronchitis	39	6	1	...	...	...	2	7	14	9	9
20	Pneumonia (all forms) ..	43	12	2	2	..	1	4	9	8	5	40
21	Other respiratory diseases ...	5	...	...	...	...	1	1	3	...	...	1
22	Peptic ulcer	8	...	...	...	...	...	7	...	1	...	7
23	Diarrhœa, &c., (under 2 yrs.)	9	9	...	...	...	...	...	...	...	...	6
24	Appendicitis	...	...	...	...	...	...	...	...	...	...	...
25	Cirrhosis of liver	2	...	...	...	...	...	...	2	...	...	3
26	Other diseases of liver, &c.	3	...	...	...	...	...	1	1	...	1	3
27	Other digestive diseases ...	2	...	...	1	...	...	...	...	...	1	1
28	Acute and chronic nephritis	16	...	...	...	...	...	1	5	10	...	24
29	Puerperal sepsis	...	..	...	...	...	...	...	...	...	...	1
30	Other puereral causes ...	2	...	...	...	...	1	1	...	...	...	4
31	Congenital debility, premature birth, malformation, &c.	46	46	...	...	...	...	...	...	...	...	27
32	Senility	36	...	...	...	...	...	..	...	4	32	6
33	Suicide	9	...	...	...	...	1	3	4	...	1	...
34	Other Deaths, from violence	31	1	...	1	4	6	9	7	1	2	38
35	Other defined diseases ...	51	2	...	2	3	4	7	15	9	9	43
36	Causes ill-defined or unknown	10	...	...	...	...	1	1	4	3	1	3
	Totals ...	792	76	6	10	11	38	84	224	196	147	585
	Sub Entries (included in above figures) :—											
20a	Pneumonia (lobar) ..	12	..	1	...	...	1	3	4	3	...	10
35a	Rheumatic fever ..	1	...	...	...	...	...	1	...	...	...	1
35a	Erysipelas	2	...	...	...	...	...	...	...	...	2	1
35a	Infantile Paralysis ...	2	...	...	...	...	1	1	...	..	..	1

TABLE IIa.

Causes of Death during the Year 1939.

Allocated to the Wards in which they occurred.

Causes of Death.		All Ages.	Chirton.	Collingwood	Cullercoats.	Dockwray.	Linskill.	Percy.	Preston.	Trinity.	Tynemouth.
		WARDS.									
All Causes	Certified ...	760	84	52	60	118	104	82	70	122	68
	Uncertified ...	32	5	1	2	5	3	1	9	4	2
1 Typhoid and paratyphoid fever		...	...	...	...	...	...	...	...	...	...
2 Measles		...	...	...	...	...	...	...	...	...	...
3 Scarlet fever		...	...	...	...	...	...	...	...	...	...
4 Whooping cough		2	...	1		...	...	...	...	...	1
5 Diphtheria		...	...	...	...	...	...	...	...	...	...
6 Influenza		6	1	...	1	...	...	...	1	2	1
7 Encephalitis lethargica ...		1	...	...	...	...	...	...	...	1	...
8 Cerebro spinal fever ...		1	...	...	...	...	...	1	...	...	...
9 Tuberculosis of respiratory system		52	14	1	1	7	4	8	5	11	1
10 Other tuberculous diseases ...		11	1	2	...	1	2	3	2	...	...
11 Syphilis		5	...	...	...	3	1	...	1	...	...
12 General paralysis of the insane tabes dorsalis		3	1	...	...	1	...	...	...	1	...
13 Cancer, malignant disease ...		98	12	6	4	14	13	13	8	15	13
14 Diabetes		5	...	1	...	3	...	...	...	1	...
15 Cerebral hæmorrhage, &c. ...		66	5	5	2	15	10	10	5	6	8
16 Heart disease		199	24	16	18	28	31	14	23	26	19
17 Aneurysm		3	1	...	...	...	...	...	1	1	...
18 Other circulatory diseases ...		28	3	2	3	5	4	.	4	6	1
19 Bronchitis		39	1	2	1	10	4	8	3	9	1
20 Pneumonia all forms ...		43	5	3	2	6	5	9	2	8	3
21 Other respiratory diseases ...		5	...	1	1	...	...	...	...	2	
22 Peptic ulcer		8	2	...	1	1	...	1	1	2	...
23 Diarrhœa, &c. (under 2 years)		9	...	...	...	2	...	1	2	4	...
24 Appendicitis		...	...	...	...	...	...	...	...	...	...
25 Cirrhosis of liver		2	...	...	...	2	...	...	...	...	...
26 Other diseases of liver, &c. ...		3	..	...	...	...	1	...	1	...	1
27 Other digestive diseases .		2	1	...	...	...	...	..	...	1	...
28 Acute and chronic nephritis ...		16	1	...	1	...	3	...	4	4	3
29 Puerperal sepsis		...	...	...	...	...	...	...	...	...	...
30 Other puerperal causes ...		2	...	1	...	1	...	...	...	1	...
31 Congenital debility, premature birth, malformation, &c. ...		46	4	5	4	10	6	4	2	7	4
32 Senility		36	3	2	5	2	9	6	2	4	3
33 Suicide		9	1	1	2	2	1	...	2	...	...
34 Other deaths from violence ...		31	5	1	7	3	3	4	1	3	4
35 Other defined diseases ...		51	2	3	8	6	10	1	8	8	5
36 Causes ill-defined or unknown		10	2	...	1	1	...	...	1	4	1
Total ...		792	89	53	62	123	107	83	79	126	70
Sub-Entries included in above figures .—											
20a Pneumonia (lobar) ...		12	1	1	1	...	...	2	...	6	1
35a Rheumatic fever		1	...	1	...	...	...	...	...	...	...
35a Erysipelas		2	...	...	1	...	...	...	...	1	...
35a Infantile Paralysis ...		2	...	...	...	...	1	...	1	...	...

TABLE III.

Infantile Mortality during the Year 1939.

Nett Deaths from stated Causes at various Ages under One Year of Age.

CAUSES OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 4 Weeks.	4 Weeks and under 3 Months.	3 Months and under 6 Months.	6 Months and under 9 Months	9 Months and under 12 Months.	Total Deaths under 1 Year.
All Causes { Certified ...	20	6	4	7	37	13	13	6	4	73
All Causes { Uncertified ...	1	...	...	...	1	1	...	1	...	3
Smallpox	...	...	...	...	...	...	...	...	...	...
Chickenpox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	..	...	...	...	...	...	...
Scarlet fever	...	...	..	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	...	...	...	...
Diphtheria and croup ..	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...
Tuberculous meningitis ...	...	...	...	...	...	...	...	...	...	...
Abdominal tuberculosis ...	...	...	...	...	...	...	...	...	...	...
Other tuberculous diseases ...	...	...	...	...	...	...	...	...	...	...
Meningitis not (tuberculous) ...	...	...	...	...	...	...	...	1	...	1
Convulsions	3	...	2	1	6	...	...	2	...	8
Laryngitis	...	...	...	...	...	...	...	...	...	...
Bronchitis	...	...	1	...	1	3	3	...	...	7
Pneumonia (all forms) ...	...	...	...	1	1	2	5	1	2	11
Diarrhœa	...	1	...	...	1	...	1	2	...	4
Enteritis	...	...	...	...	...	1	2	1	1	5
Gastritis	...	...	...	..	...	...	...	...	...	...
Syphilis	...	...	...	...	...	...	...	...	...	..
Rickets	...	..	..	...	...	...	...	...	...	...
Suffocation, overlying .	...	...	...	...	...	...	...	...	.	...
Injury at birth	3	. .	...	...	3	1	...	...	...	4
Atelectasis	3	...	...	...	3	...	...	...	...	3
Congenital malformation ..	1	...	...	1	2	1	...	...	...	3
Premature birth	9	3	1	3	16	3	...	...	...	19
Atrophy, debility, and marasmus	1	2	...	1	4	3	1	...	...	8
Other causes	1	...	...	...	1	...	1	...	...	...
Influenza	...	...	...	...	...	...	...	...	1	3
Totals ...	21	6	4	7	38	14	13	7	4	76

Nett Births in the year :—Legitimate, 1,072; Illegitimate, 47.

Nett Deaths in the year, of { Legitimate infants, 74. / Illegitimate do. 2.

TABLE IIIA.

Infantile Mortality During the Year 1939.

Allocated to the Wards in which they occurred.

Causes of Death.	Total Deaths under 1 Year.	WARDS.								
		Chirton.	Collingwood.	Cullercoats.	Dockwary.	Linskill.	Percy.	Preston.	Trinity.	Tynemouth.
		1	2	3	4	5	6	7	8	9
All Causes:—Certified ..	73	6	7	4	19	7	11	3	12	4
Uncertified ...	3	...	...	...	1	...	1	1	...	...
Smallpox	...	...	...	...	...	...	...	...	...	...
Chickenpox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...
Scarlet fever	...	...	...	...	...	...	...	...	...	...
Whooping cough	...	...	...	...	...	...	...	...	...	...
Diphtheria and croup ...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...
Tuberculous meningitis ..	...	...	...	...	...	..	...	...	...	...
Abdominal tuberculosis ..	...	...	...	...	...	...	...	...	...	...
Other tuberculous diseases ...	...	...	...	...	...	...	..	...	...	...
Meningitis (not tuberculous) .	1	...	...	...	1	...	...	...	...	...
Convulsions	8	1	3	...	2	1	2	...	1	...
Laryngitis...	...	...	...	...	...	...	...	...	...	...
Bronchitis	7	1	...	...	3	...	2	...	1	...
Pneumonia (all forms) ...	11	1	2	...	3	1	4	...	...	...
Diarrhœa	4	...	...	...	1	...	...	1	2	...
Enteritis	5	...	...	...	2	...	1	...	2	...
Gastritis	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	..	...	...	...	...	...	...	...
Rickets	...	...	...	...	...	...	...	...	...	...
Suffocation, overlying ...	...	...	...	...	...	...	...	...	...	...
Injury at birth	4	...	...	...	2	...	1	...	1	...
Atelectasis	3	1	...	...	1	...	...	..	1	...
Congenital malformation ..	3	...	...	...	1	...	...	...	...	2
Premature birth	19	2	3	3	2	2	...	2	4	1
Atrophy, debility and marasmus	8	...	1	...	2	3	1	...	...	1
Other causes	3	...	...	1	...	...	1	1	...	...
Influenza	...	...	...	...	...	...	...	...	...	...
Total Deaths	76	6	7	4	20	7	12	4	12	4
Births	1119	146	106	60	161	95	157	83	159	53
Infantile Mortality Rate ...	68	41	66	66	124	74	76	48	75	75

* Includes 99 Inward transfers.

TABLE IV.

Registrar General's List of Causes of Death at different periods of life in the County Borough of Tynemouth during 1939.

MALES.

Causes of Death.	TOTAL All Ages	0-	1-	2-	5-	15-	25-	35-	45-	55-	65-	75
All Causes	455	44	4	6	9	21	20	32	49	95	103	72
1 Typhoid and paratyphoid fever	...	...	...	...	...	...	...	...	...	...	...	...
2 Measles	...	...	...	...	...	...	...	...	...	...	...	...
3 Scarlet fever	...	...	...	...	...	...	...	...	...	..	...	...
4 Whooping cough ...	1	...	..	1	...	...	...	...	...	...	..	...
5 Diphtheria	...	...	...	...	...	...	...	...	...	...	...	..
6 Influenza	1	...	...	...	...	...	...	...	...	...	...	1
7 Encephalitis lethargica ...	1	...	...	...	...	...	...	1	...	...	...	...
8 Cerebro spinal fever ..	...	...	...	...	...	...	...	...	...	...	...	...
9 Tuberculosis of respiratory system	34	...	...	...	...	9	5	9	8	3	...	...
10 Other tuberculous diseases	9	...	1	...	3	3	...	1	1	...	...	...
11 Syphilis	5	...	...	...	...	...	1	...	...	3	1	...
12 General paralysis of the insane, Tabes dorsalis...	3	...	...	...	...	...	...	1	...	...	1	1
13 Cancer, malignant disease	60	...	...	...	...	...	...	3	9	21	22	5
14 Diabetes	5	...	...	...	...	...	1	...	...	2	2	...
15 Cerebral hæmorrhage, ..	20	...	...	..	...	...	...	1	1	9	7	2
16 Heart disease	93	...	..	...	...	1	1	1	14	21	29	26
17 Aneurysm	3	...	...	...	...	...	...	...	1	1	1	...
18 Other circulatory diseases	34	...	...	...	...	...	...	...	5	7	12	10
19 Bronchitis	20	5	...	...	...	...	1	...	1	3	6	4
20 Pneumonia all forms ...	23	6	2	2	...	1	1	1	1	5	4	...
21 Other respiratory diseases	...	...	...	...	...	...	...	...	...	...	...	...
22 Peptic ulcer	9	..	...	...	...	...	4	3	...	...	1	1
23 Diarrhœa, etc.	7	4	...	3	..	...	...	...	...	...	...	...
24 Appendicitis	...	...	...	...	...	...	...	...	...	...	...	...
25 Cirrhosis of liver ...	4	...	...	...	...	...	...	1	3	...	...	...
26 Other diseases of liver, etc.	3	...	...	...	...	...	1	...	...	1	...	1
27 Other digestive diseases...	4	...	...	...	...	...	...	...	...	3	...	1
28 Acute and chronic nephritis	9	...	...	...	...	...	..	...	1	4	4	...
29 Puerperal sepsis... ...	..	...	...	...	...	..	...	...	...	...		...
30 Other puerperal causes ...	...	...	...	...	...	...	...	...	...	...	...	...
31 Congenital debility, premature birth, malformation, etc.	23	22	1	...	...	...	...	...	...	...	...	...
32 Senility	13	...	...	...	...	...	...	...	...	...	1	12
33 Suicide...	7	..	...	...	...	1	1	1	...	2	1	1
34 Other deaths from violence	26	1	...	...	2	5	1	9	3	3	1	1
35 Other defined diseases ...	36	6	...	..	4	1	3	...	1	6	10	5
36 Causes ill-defined or unknown	2	...	...	...	...	..	...	...	..	1	...	1

Deaths under one year of age:—Legitimate children, 41 ; Illegitimate children, 3.

TABLE IVA.

Registrar General's List of Causes of Death at different periods of life in the County Borough of Tynemouth during 1939.

FEMALES.

Causes of Death	TOTAL All Ages	0-	1-	2-	5-	15-	25-	35-	45-	55-	65-	75-
All Causes	339	32	2	4	2	17	15	17	33	45	96	76
1 Typhoid and paratyphoid fever	...	...	...	...	...	...	...	...	...	...	...	...
2 Measles	...	...	...	..	...	...	...	...	...	...	...	...
3 Scarlet fever	...	...	...	...	...	...	...	...	...	...	..	...
4 Whooping cough ...	1	...	1	...	...	...	...	...	...	...	...	...
5 Diphtheria	...	...	...	...	...	...	...	...	...	..	...	...
6 Influenza	5	...	...	...	...	...	...	2	...	1	1	1
7 Encephalitis lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...
8 Cerebro spinal fever ...	1	...	...	1	...	...	...	...	...	...	.	...
9 Tuberculosis of respiratory system	14	...	...	...	...	6	5	2	1	...	...	..
10 Other tuberculous diseases	5	...	..	...	...	1	2	...	...	1	1	...
11 Syphilis	...	...	...	...	...	...	...	...	...	...	...	...
12 General paralysis of the insane, Tabes dorsalis...	...	...	...	...	..	...	...	...	...	...	...	...
13 Cancer, malignant disease	39	...	...	...	...	..	2	2	12	11	9	3
14 Diabetes	3	...	...	...	...	...	...	...	...	...	3	...
15 Cerebral hæmorrhage, &c.	26	...	...	...	...	...	...	1	3	3	13	6
16 Heart disease	87	...	...	1	...	2	...	5	6	13	35	25
17 Aneurysm	1	...	...	...	...	...	...	1	...	...	...	...
18 Other circulatory diseases	25	...	...	...	...	1	...	...	1	3	14	6
19 Bronchitis	25	3	1	...	...	1	1	1	...	1	7	10
20 Pneumonia (all forms) ...	17	6	...	...	...	...	...	1	2	2	2	4
21 Other respiratory diseases	2	...	...	...	...	.	...	...	1	1	..	...
22 Peptic ulcer	...	...	...	...	...	...	...	...	...	...	...	...
23 Diarrhœa, etc.	6	5	...	...	...	...	...	..	1	...	...	...
24 Appendicitis	...	...	...	...	...	...	...	...	...	...	..	...
25 Cirrhosis of liver ...	...	...	...	...	...	...	...	...	...	...	...	...
26 Other diseases of liver, etc.	5	...	...	...	...	...	...	...	...	1	1	3
27 Other digestive diseases...	2	...	...	...	...	...	...	...	1	...	...	1
28 Acute and chronic nephritis	9	...	...	...	...	...	1	...	2	2	4	...
29 Puerperal sepsis... ...	...	...	...	...	...	...	...	...	...	...	...	...
30 Other puerperal causes ...	2	...	...	...	...	1	1	...	...	...	...	...
31 Congenital debility, premature birth, malformation, etc.	14	14	...	...	...	...	...	...	...	...	..	...
32 Senility	9	...	...	...	...	...	...	...	...	...	...	9
33 Suicide	3	...	...	...	...	...	1	...	1	1	...	...
34 Other deaths from violence	7	1	...	1	2	1	.	...	...	1	...	1
35 Other defined diseases ...	30	3	...	1	...	4	2	2	2	4	5	7
36 Causes ill-defined or unknown	1	...	...	...	...	...	...	...	...	...	1	...

Deaths under one year of age:—Legitimate children, 32; Illegitimate children, Nil.

TABLE V.

PRESTON HOSPITAL.

Statistics relating to the Period from the 1st January to the 31st December, 1939.

IN-PATIENTS.

From Tynemouth County Borough and Northumberland County Council.

	County Borough.	County Council.
1. Total Number of Admissions	1176	933
2. Number of women confined in hospital	125	53
3. Number of live births	125	50
4. Number of still births	8	6
5. Number of deaths among newly-born (i.e., under four weeks of age)	11	5
6. Total number of deaths among children under one year	24	8
7. Number of Maternal deaths	2	2
8. Total number of deaths	203	268
9. Number of patients discharged	1059	730
10. Average duration of stay of patients included in 8 and 9 above :—		
(*a*) Four weeks or less	823	561
(*b*) Exceeding four weeks but under thirteen weeks	302	284
(*c*) Exceeding thirteen weeks	137	153
11. Number of beds occupied :—		
(*a*) average during the period	347	
(*b*) highest 424 on 6/4/39		
(*c*) lowest 196 on 13/9/39		
12. Number of surgical operations under general anaesthetic (excluding dental operations) ..	35	15
13. Number of abdominal sections	12	4

TABLE V A.

PRESTON HOSPITAL.

Classification of In-Patients from Tynemouth County Borough and Northumberland County Council, who were discharged from, or who died, in the Institution during the Period 1st January to 31st December, 1939.

Disease Groups.	Children under (16 years of age).		Men and Women.	
	C.B.	C.C.	C.B.	C.C.
A. Acute infectious disease ...	13	4	5	3
B Influenza		..	3	1
C. Tuberculosis—Pulmonary	6	5	21	71
Non-pulmonary ...	4	12	4	26
D. Malignant disease	...	...	42	49
E. Rheumatism—				
(1) Acute rheumatism (rheumatic fever) together with sub-acute rheumatism and chorea. ...	7	4	4	3
(2 Non-articular manifestations of so-called "Rheumatism" (muscular rheumatism, fibrositis, lumbago and sciatica)	.	1	7	4
(3) Chronic arthritis	...	...	4	5
F. Venereal disease	...	...	13	4
G. Puerperal pyrexia and Puerpera fever	...	...	4	4
H. Other diseases and accidents connected with child bearing ...	...	...	12	15
I. Mental diseases	3	2	67	109
J. Senile decay	...	...	9	5
K. Accidental injury and Violence ...	...	2	11	16
In respect of cases not included above—				
L. Disease of the Nervous System and Sense Organs	9	2	38	61
M. Disease of the Respiratory System ..	28	8	79	72
N. Circulatory System ...	3	...	117	150
O. Digestive System ...	15	2	42	21
P. Genito-urinary System	4	3	58	42
Q. Skin	82	14	23	16
R. Other diseases	90	29	176	119
S { Mother & Infants discharged from Maternity Wards, not already included. } Mothers	...	...	138	58
S { Mother & Infants discharged from Maternity Wards, not already included. } Infants	116	48	...	...
T. Any not falling under above headings	5	5	...	3
Totals ...	385	141	877	857

TABLE V B.

Number of Beds available for the Treatment of Tuberculosis, on the 31st December, 1939, in Poor Law Institutions belonging to the Council.

Name of Institution.	For Pulmonary and Non-Pulmonary Cases.		Total.
	Adults.	Children under 15.	
Preston Hospital	38	10	48

TABLE Vc.

TREATMENT OF CANCER. (Form Hosp. 7. Revised.)

STATEMENT OF CANCER PATIENTS FOR 1939.

COUNTY BOROUGH OF TYNEMOUTH.

PRESTON HOSPITAL.

	Borough.	County.	Total.
I. Total number of patients who were admitted to the Council's hospitals.	31	38	69
(i) Number of patients who were admitted after previous advice or treatment at another Hospital :—			
(a) organs readily amenable to treatment.	7	10	17
(b) remainder.	5	16	21
(ii) Number of patients who were admitted without previous advice or treatment at another hospital :—			
(a) organs readily amenable to treatment.	...	1	1
(b) remainder.	17	7	24
II. Total number of patients provided with advice or treatment at another hospital under arrangements made by the Council :-			
(a) organs readily amenable to treatment.	2	3	5
(b) remainder	...	1	1
III. Total deaths certified in the area.	...	...	98

There is no out-patient department attached to the hospital and the facilities are or surgical and radiological diagnosis only.

There are no existing agreements with voluntary hospitals. Operative cases are referred to the Royal Victoria Infirmary, Newcastle-upon-Tyne and the Tynemouth Victoria Jubilee Infirmary, North Shields. *The following donations are paid annually to the respective Infirmaries, viz :

Royal Victoria Infirmary, Newcastle ...	£15	15	0
Tynemouth Victoria Jubilee Infirmary ...	£10	10	0

Radium treatment is provided at the Royal Victoria Infirmary, Newcastle-upon-Tyne.

* Cases are also sent to Newcastle General Hospital at an agreed rate.

LIST OF VOLUNTARY ORGANISATIONS

in the County Borough of Tynemouth.

Borough of Tynemouth Boys' Club, Hawkeys Lane, North Shields.

Borough of Tynemouth County Nursing Association.

Borough of Tynemouth Indigent Sick Society.

Borough of Tynemouth Invalids' Kitchen, East Stephenson Street, North Shields.

Borough of Tynemouth Holiday Agency—Leslie Home Seaton Sluice.

Borough of Tynemouth Ladies' Benevolent Dorcas and Nursing Society, 1, Upper Norfolk Street, North Shields.

Borough of Tynemouth Poor Children's Boot and Shoe Fund.

British Legion, 44, Alma Place, North Shields.

Invalid Children's Aid Association, County Borough of Tynemouth.

Mayoress' Committee, Town Hall, North Shields.

National Society for the Prevention of Cruelty to Children, 21 Grosvenor Place, North Shields.

North Shields Rotary Club.

North Shields and Tynemouth Dispensary, Church Street, North Shields.

Personal Service League, 50, Camden Street, North Shields.

Police Court Mission Officer, Prudential Buildings, Camden Street, North Shields.

Rescue and Preventive Association, 81, Queen Alexandra Road, North Shields.

Royal National Mission to Deep Sea Fishermen, Union Quay, North Shields.

Shipwrecked Fishermen and Mariners' Royal Benevolent Society, 78, Howard Street, North Shields.

St. John Ambulance Brigade, Preston Road, North Shields.

The Sir James Knott Memorial Trust Youth Centre, Church Way, North Shields.

Toc. H., Fishermen's Institute, Fish Quay. North Shields.

Tuberculosis Care Committee, Town Hall, North Shields.

Tynemouth Blind Welfare Society, Howard Street, North Shields.

Tynemouth Victoria Jubilee Infirmary, Hawkey's Lane, North Shields.

Tyneside Social Service Centres for Unemployed (Men & Women), Bishopgate House, Howard St. and Tyne St., No. Shields.

Womens' Advisory Centre, 1, Cleveland Road, North Shields.

Meteorology.

SUMMARY OF RECORDS OF TEMPERATURE, RAINFALL, AND OF WEATHER OBSERVATIONS, YEAR 1939.

TYNEMOUTH.—(Extracted from the Summary of the Meteorological Office.)

	Air Temp. in Degrees Fahrenheit.			Absolute Maximum & Minimum with dates.	Day temp.
	Means of Maximum A.	Means of Minimum B.	Mean of A. & B.		
Temperature.	52.7°F.	45.0°F.	48.9°F.	5/6/39. and 8/9/39, 76°F.	5/1/39. 23°F.

	Total Fall in Inches.	Most in a day, 28/5/38.
Rainfall.	27.91	49 m.m. (1.94 inches.)

	Number of Days.								
	Precipitation.	Snow.	Snow Lying.	Hail.	Thunder-storms.	Fog.	Ground Frost.	Gale.	Sunshine (Daily Mean)
Weather.	194	12	6	16	10	16	29	9	3.66 hrs.